

Water Availability Task Force Meeting July 19th, 2016

NRCS Snow Survey and Water Supply Forecasting Program

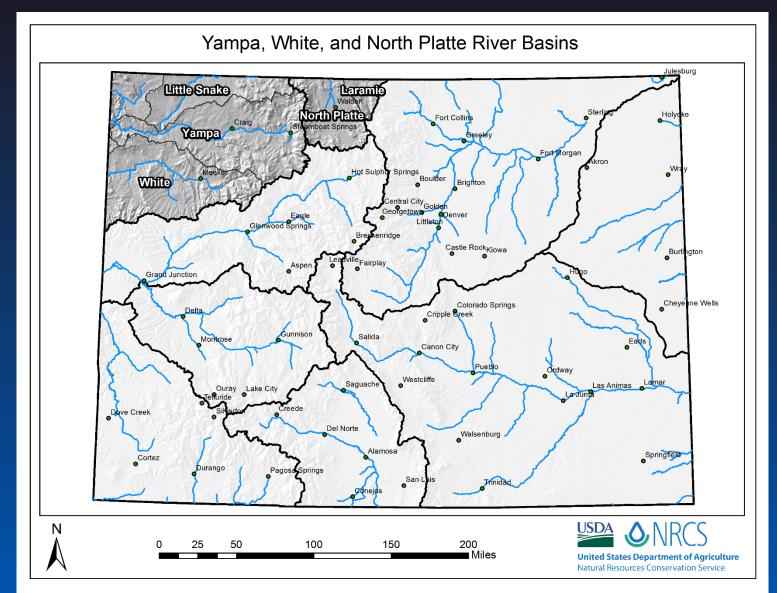
Brian Domonkos Hydrologist 720-544-2852

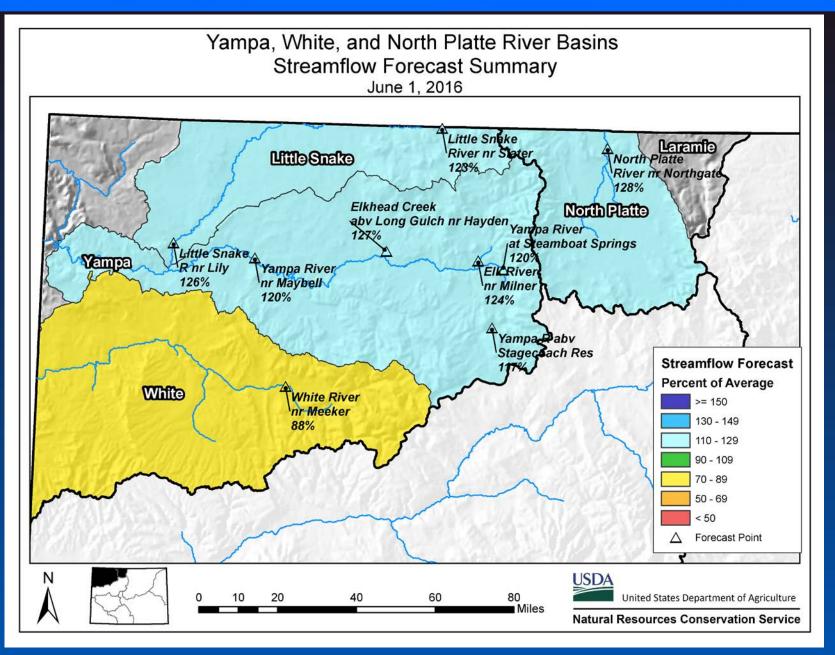
http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/



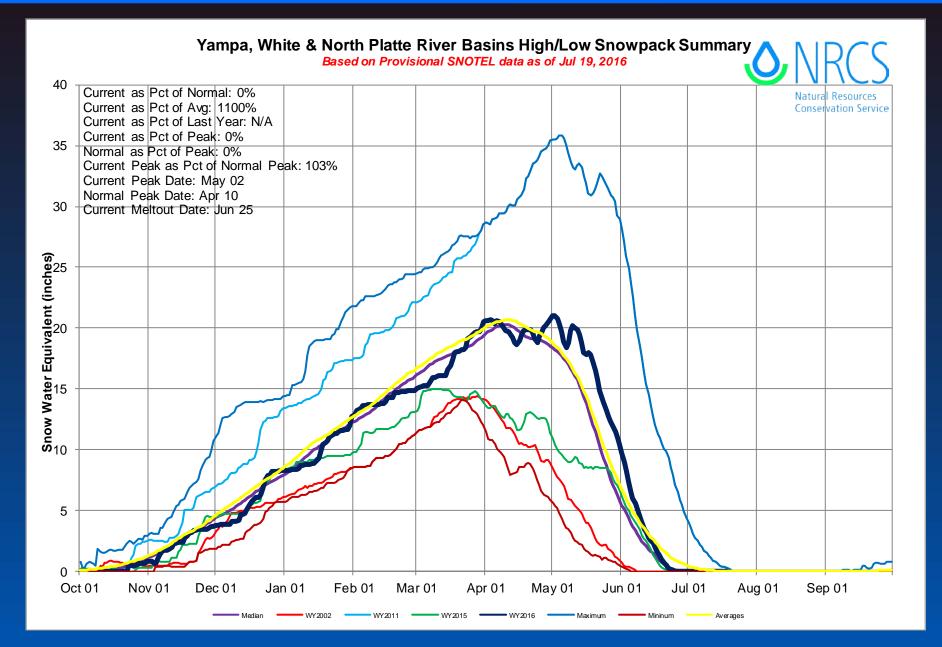
Colorado Snow Surveys

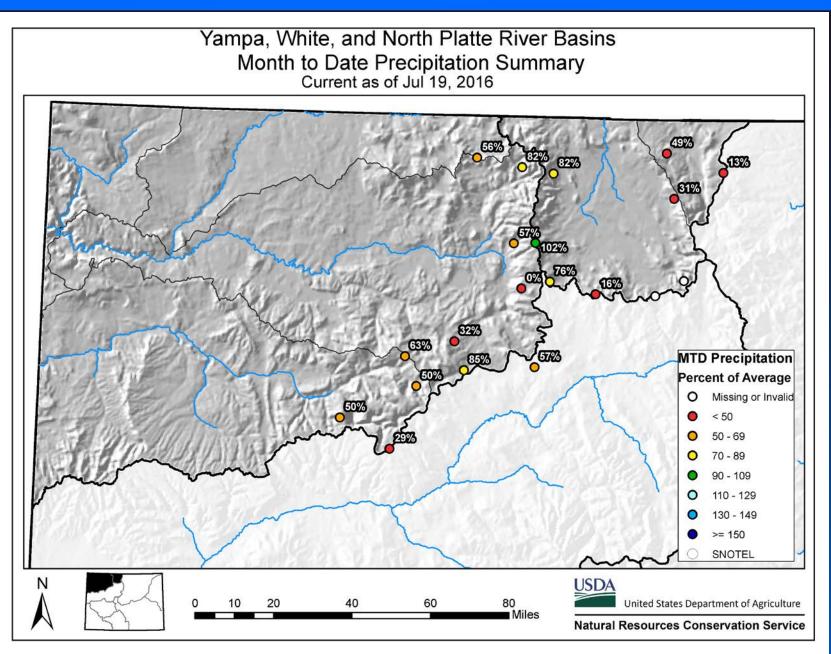
Major Basin Summary





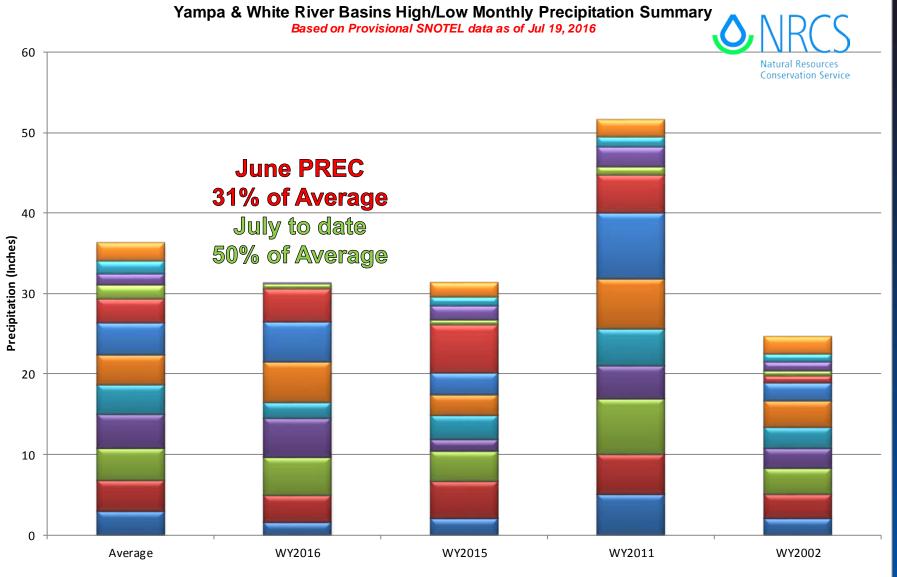


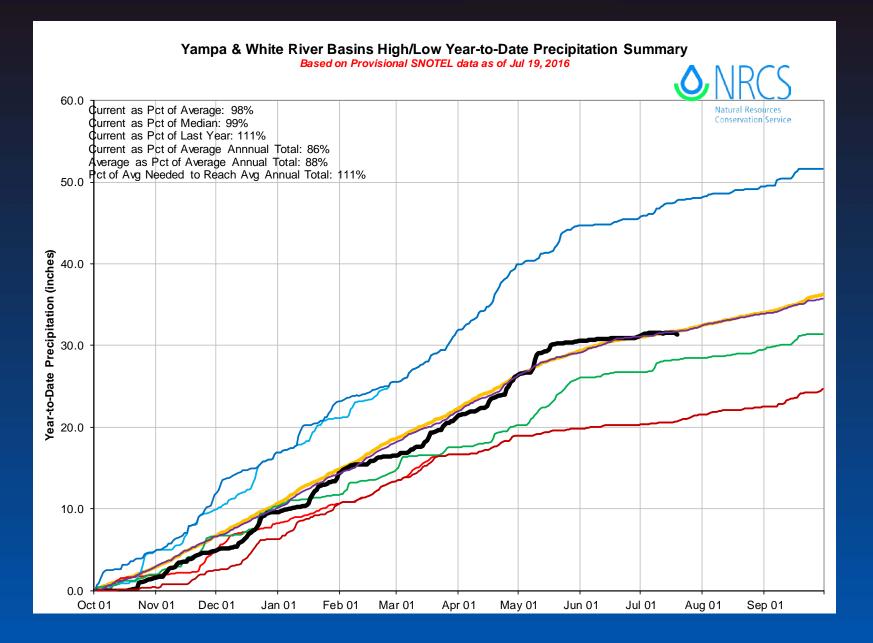




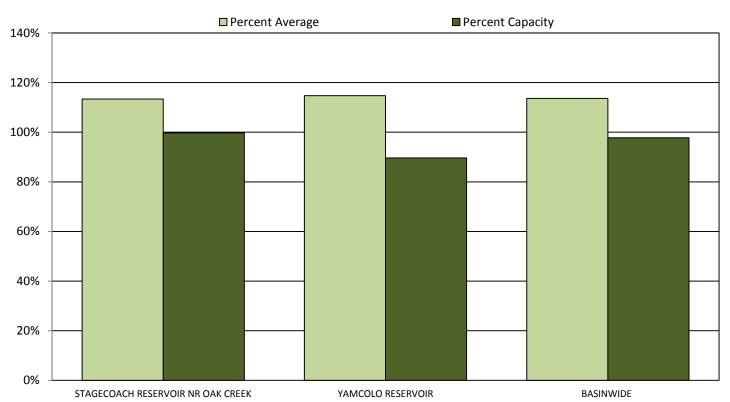










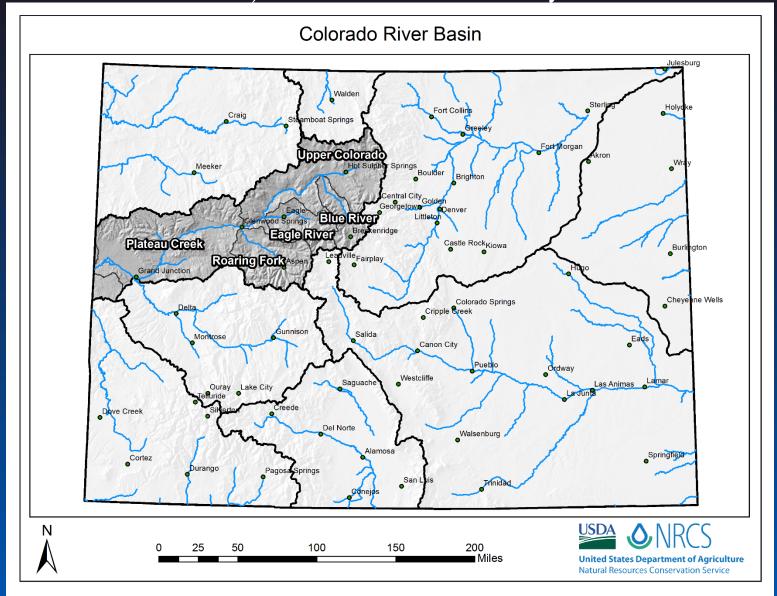


Reservoir Storage

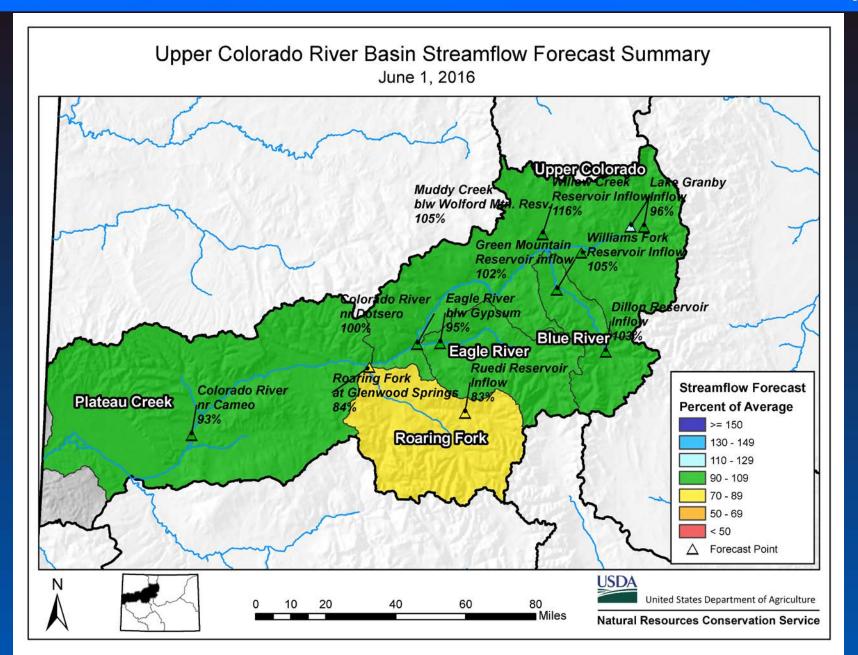


Colorado Snow Surveys

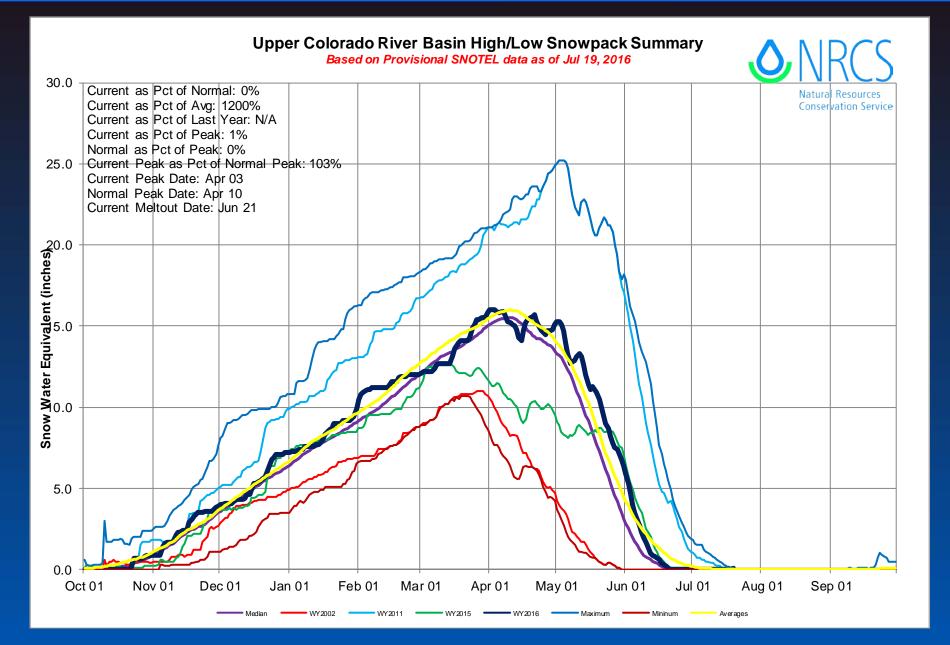
Major Basin Summary



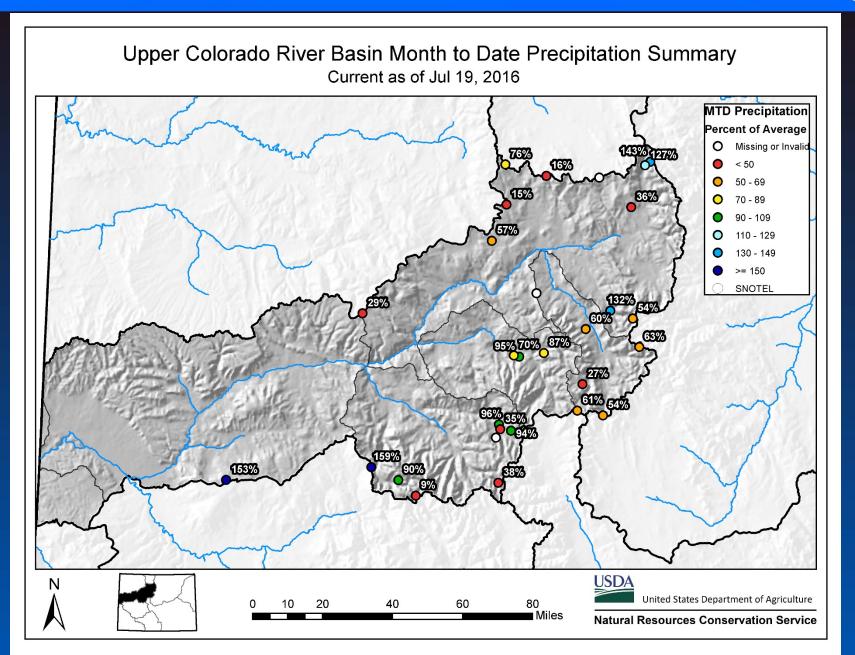




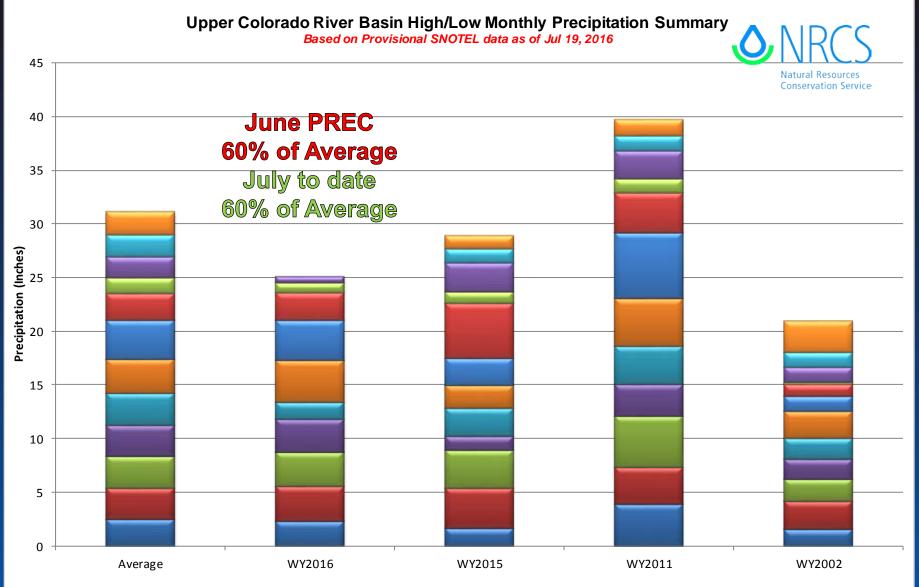






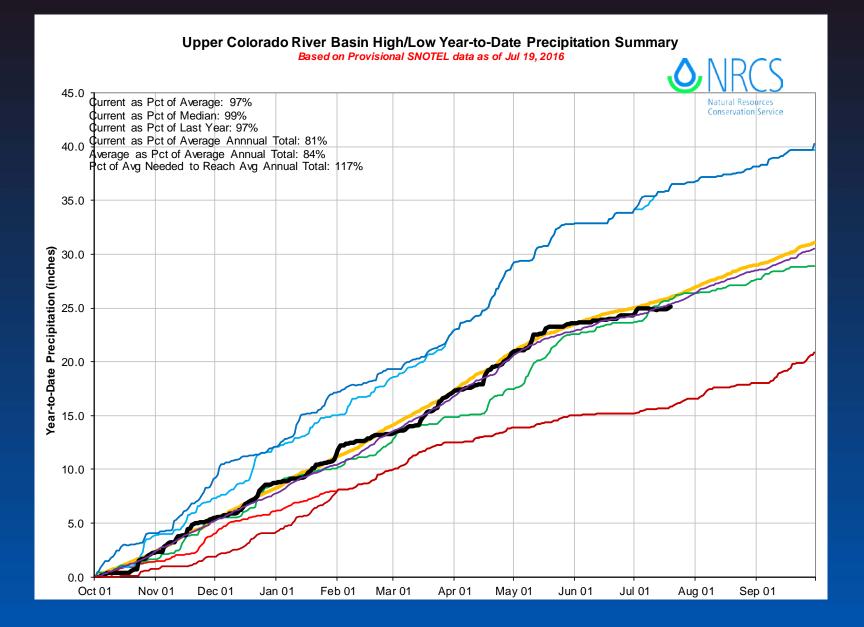




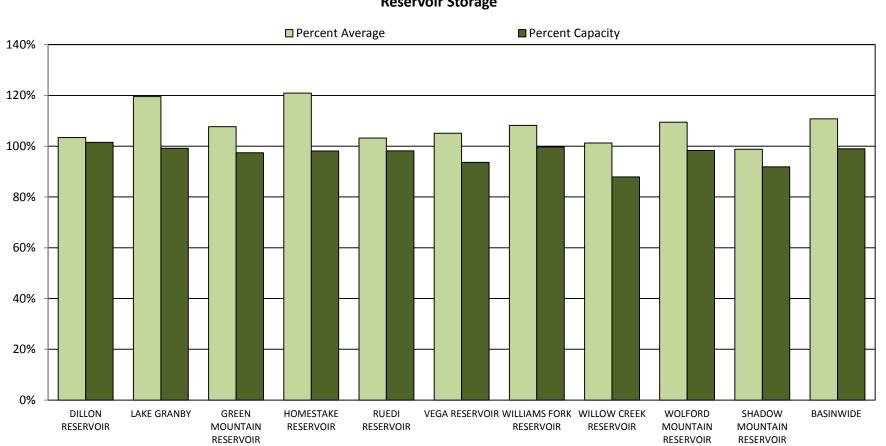


■Oct ■Nov ■Dec ■Jan ■Feb ■Mar ■Apr ■May ■Jun ■Jul ■Aug ■Sep



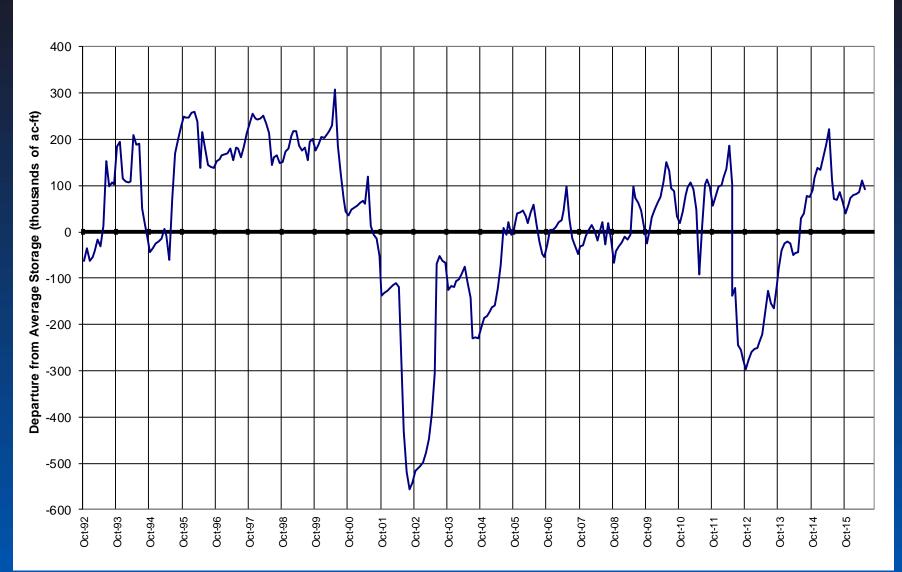






Reservoir Storage

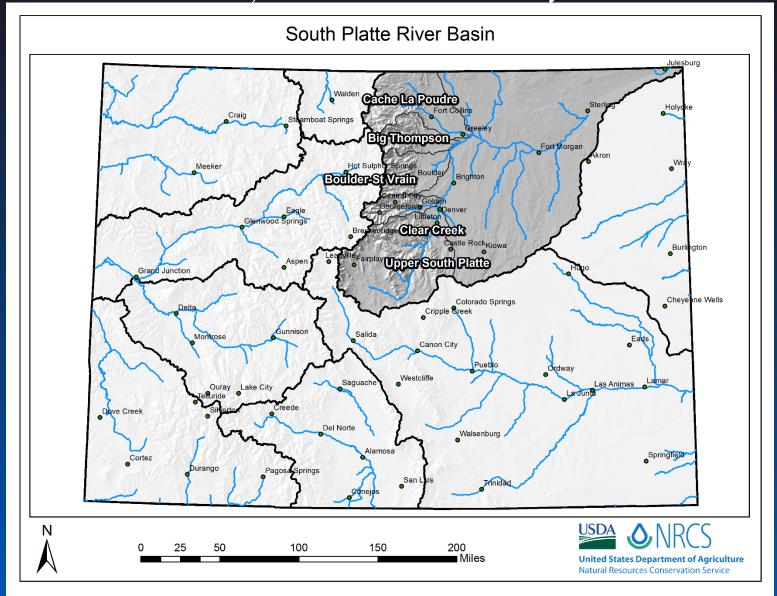




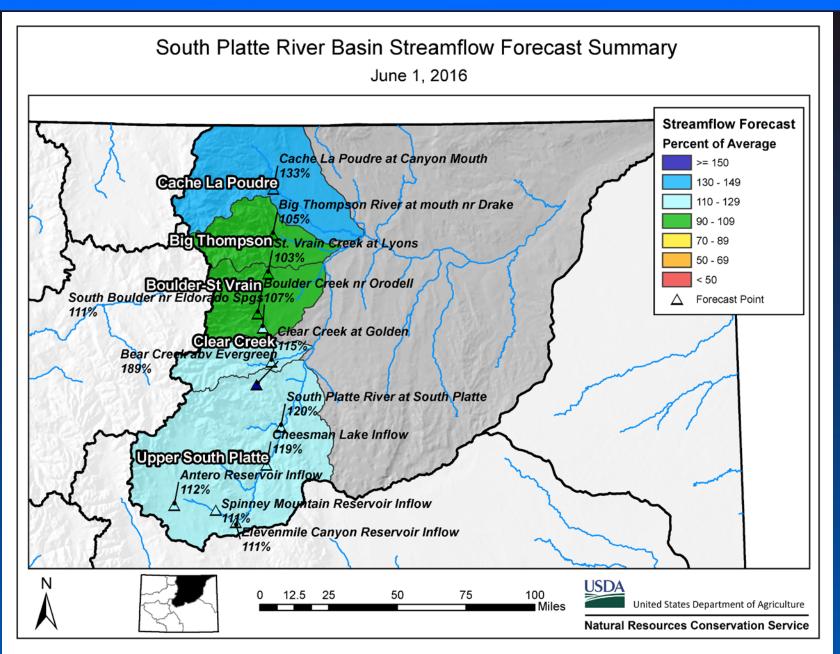


Colorado Snow Surveys

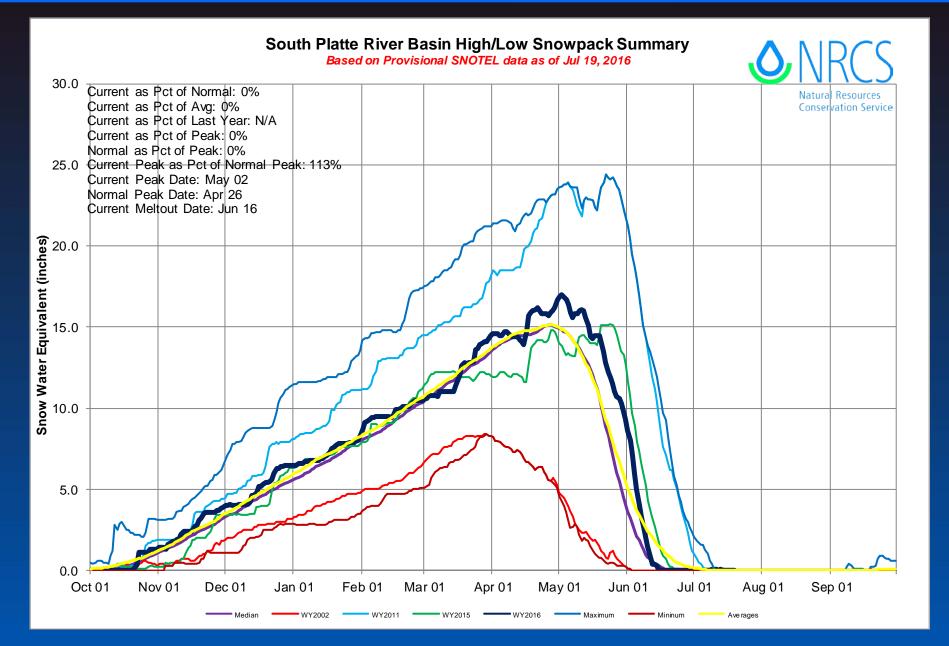
Major Basin Summary



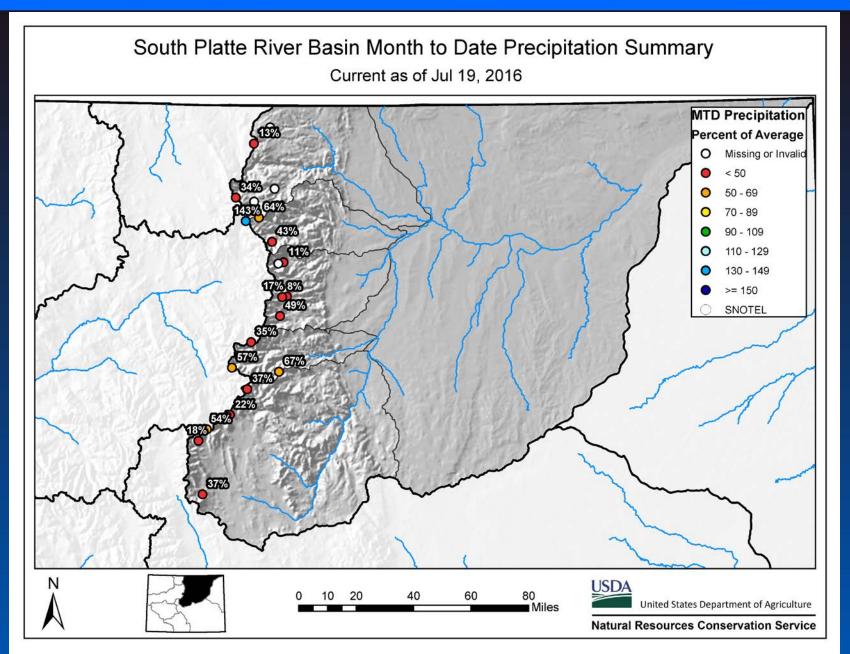




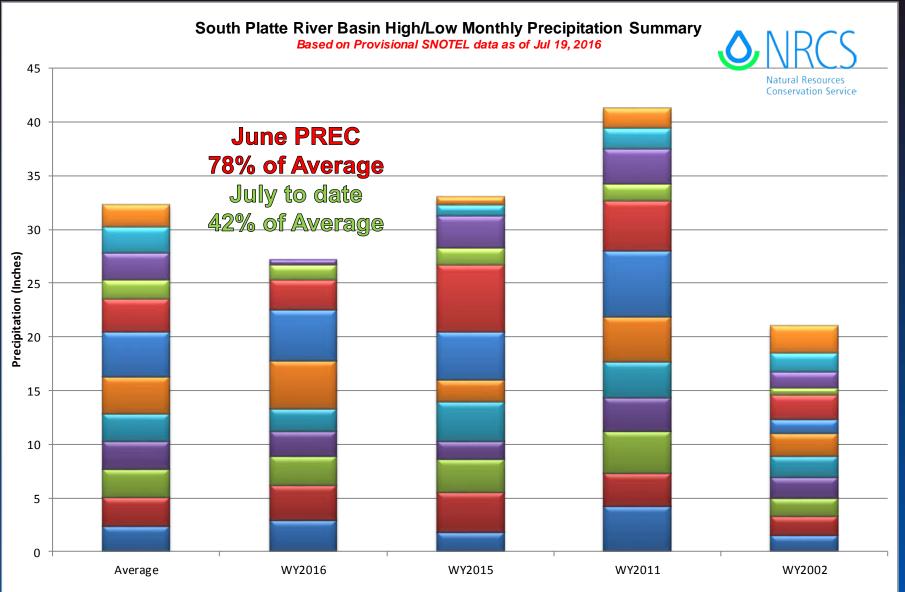






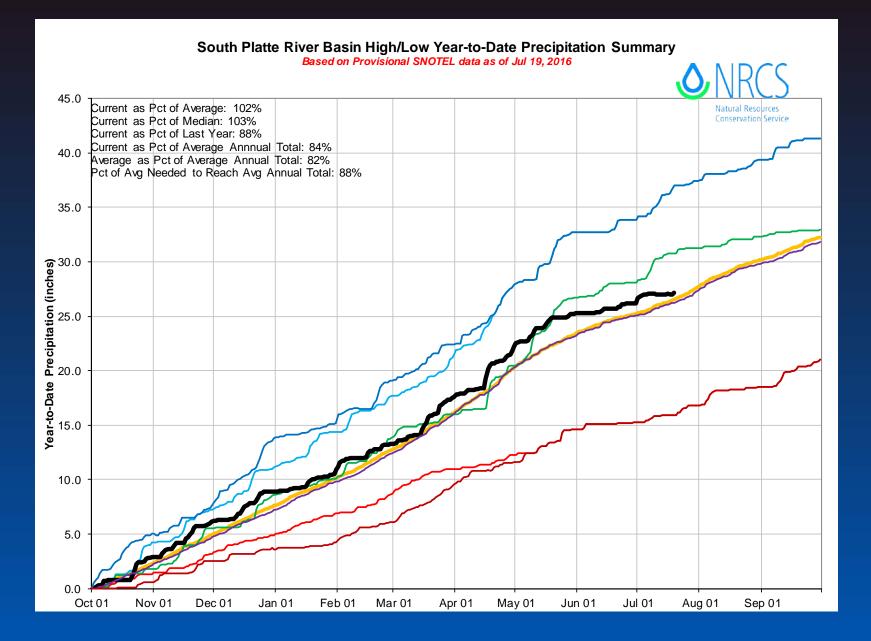






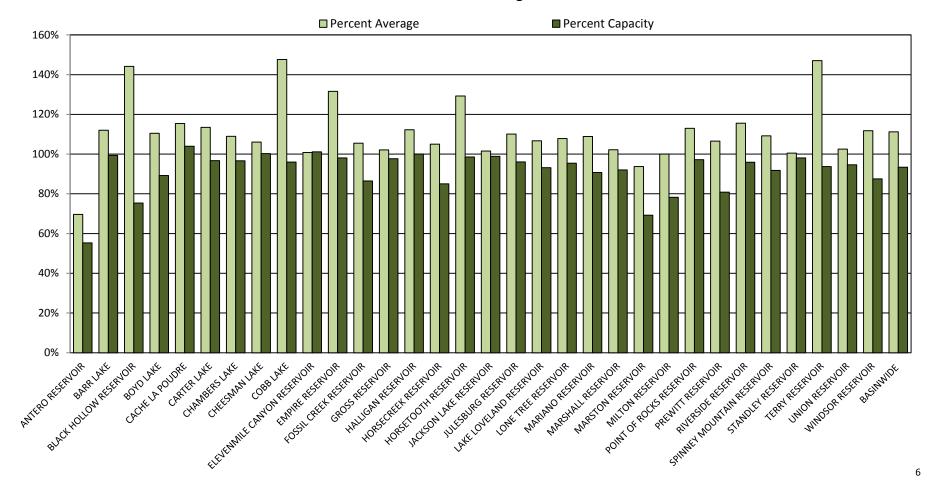
■Oct ■Nov ■Dec ■Jan ■Feb ■Mar ■Apr ■May ■Jun ■Jul ■Aug ■Sep



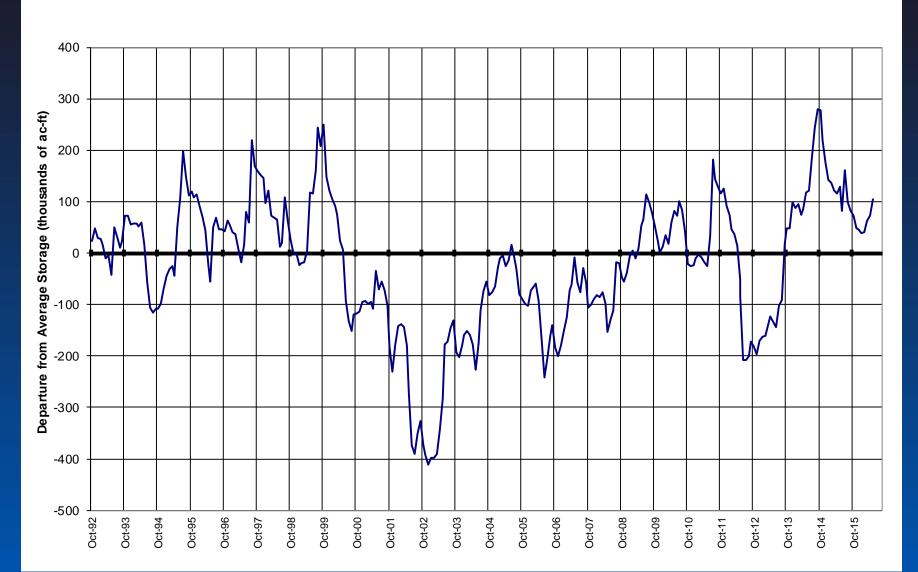




Reservoir Storage



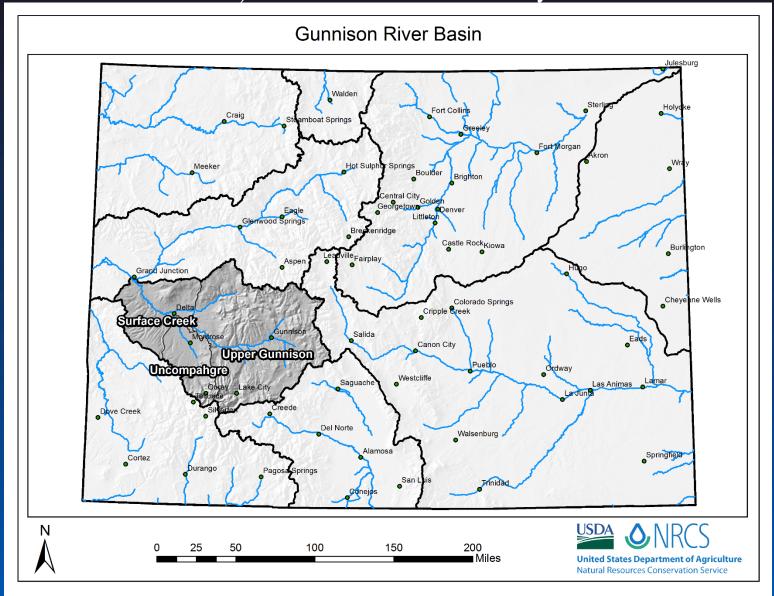
SOUTH PLATTE RIVER BASIN Reservoir Storage Departure from Average





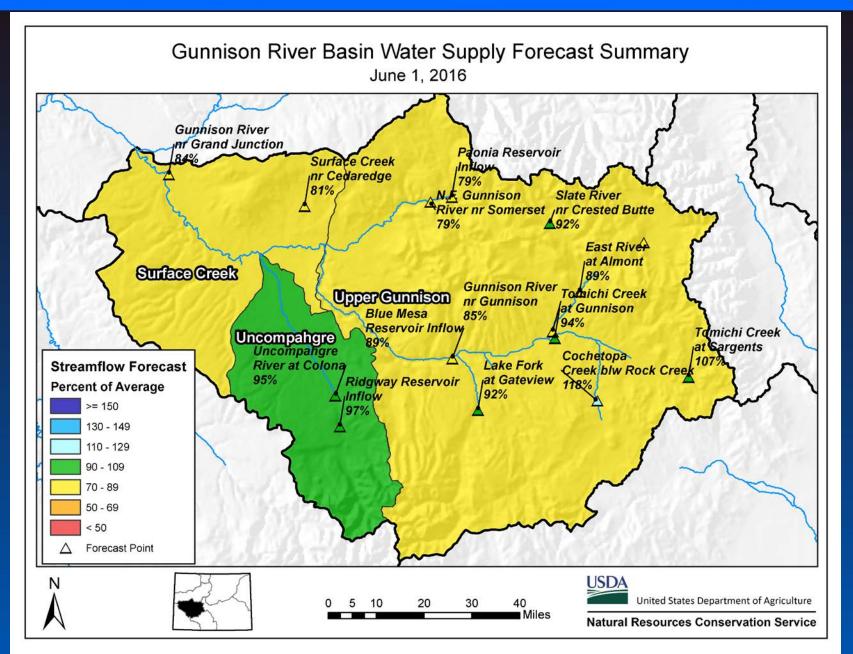
Colorado Snow Surveys

Major Basin Summary

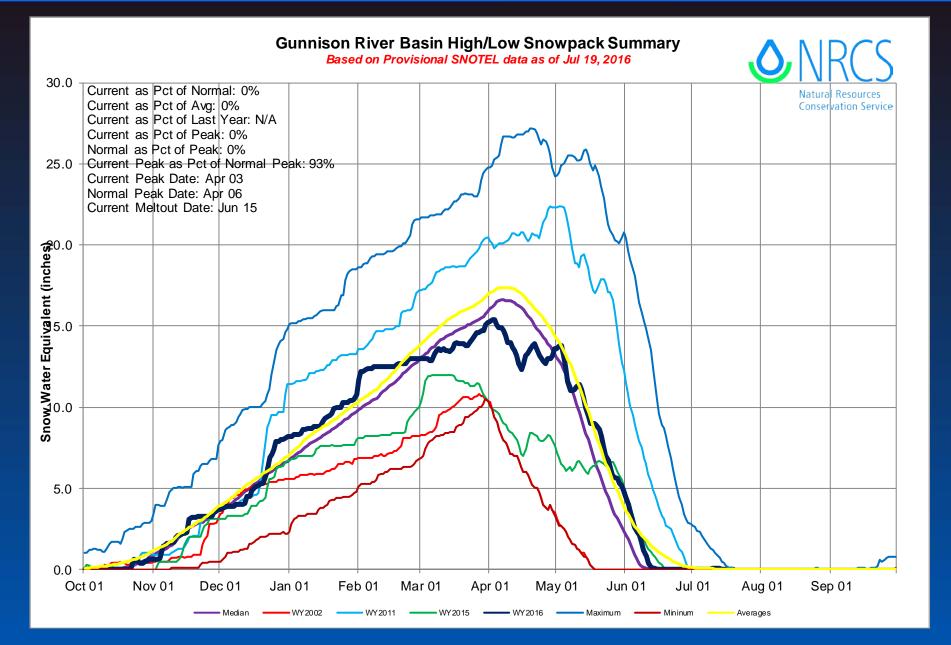


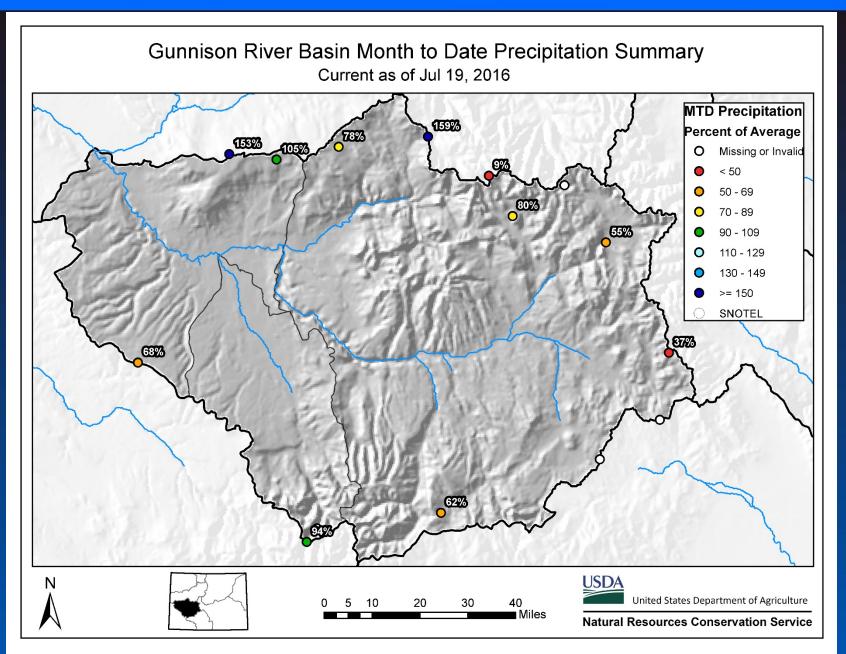
United States Department of Agriculture

USDA











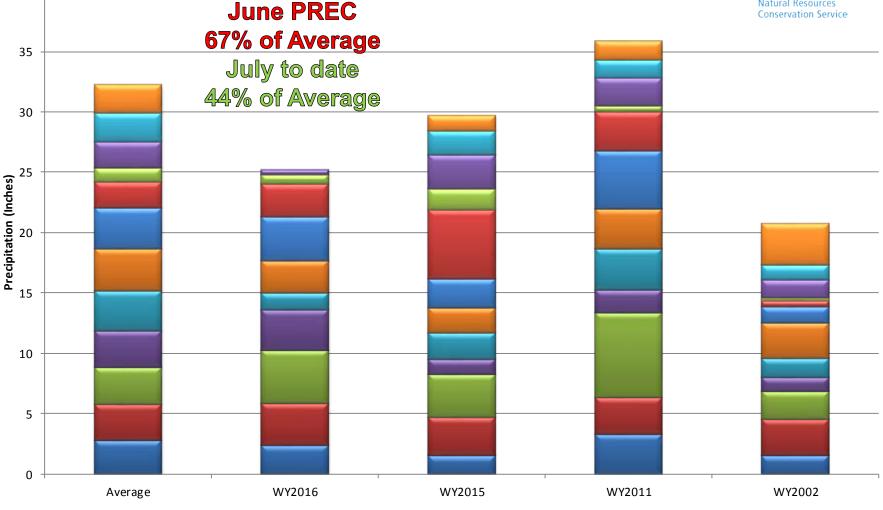
40

Colorado Snow Surveys



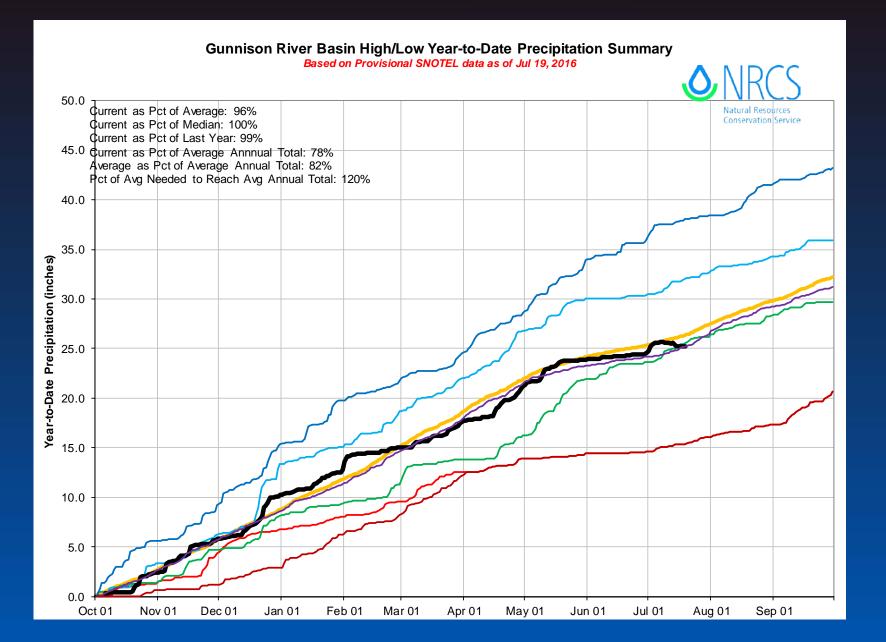
Based on Provisional SNOTEL data as of Jul 19, 2016

Natural Resources

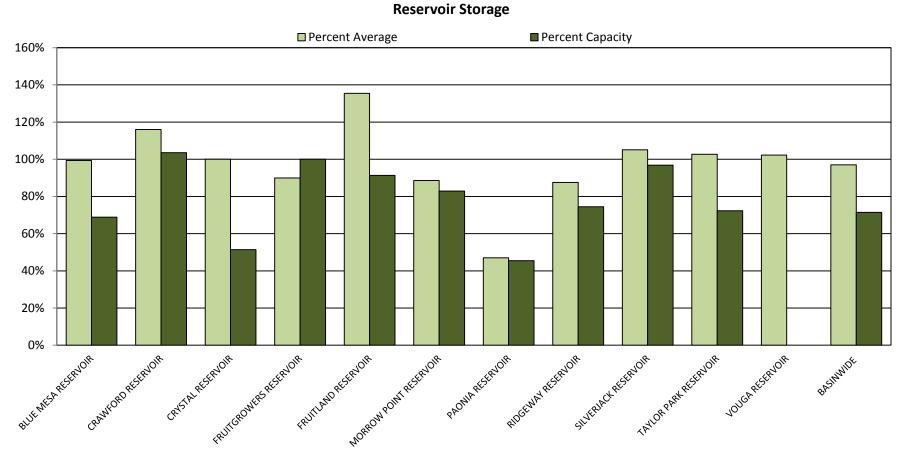


■Oct ■Nov ■Dec ■Jan ■Feb ■Mar ■Apr ■May ■Jun ■Jul ■Aug ■Sep





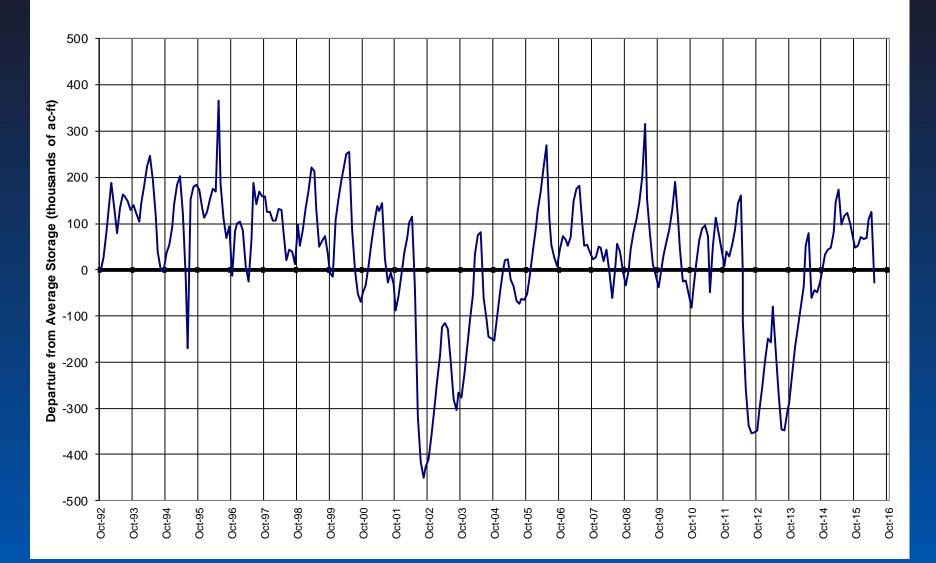




5



GUNNISON RIVER BASIN Reservoir Storage Departure from Average

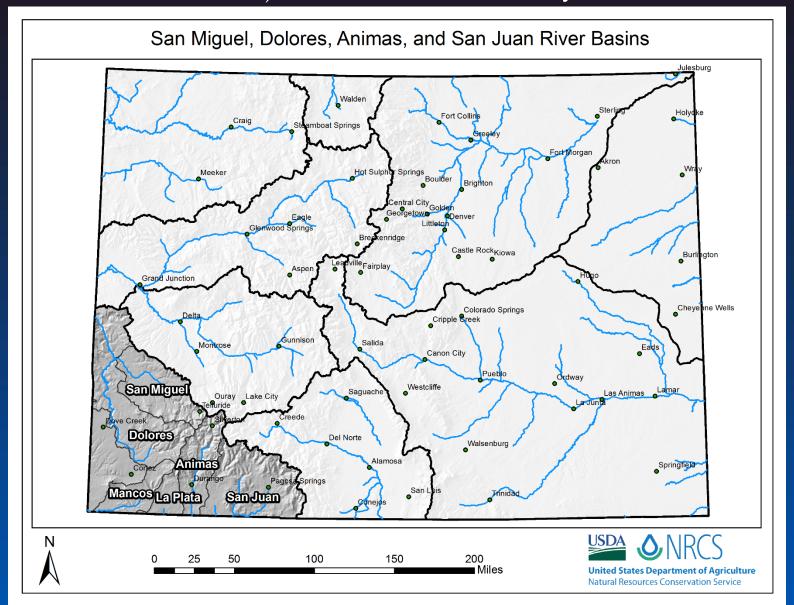


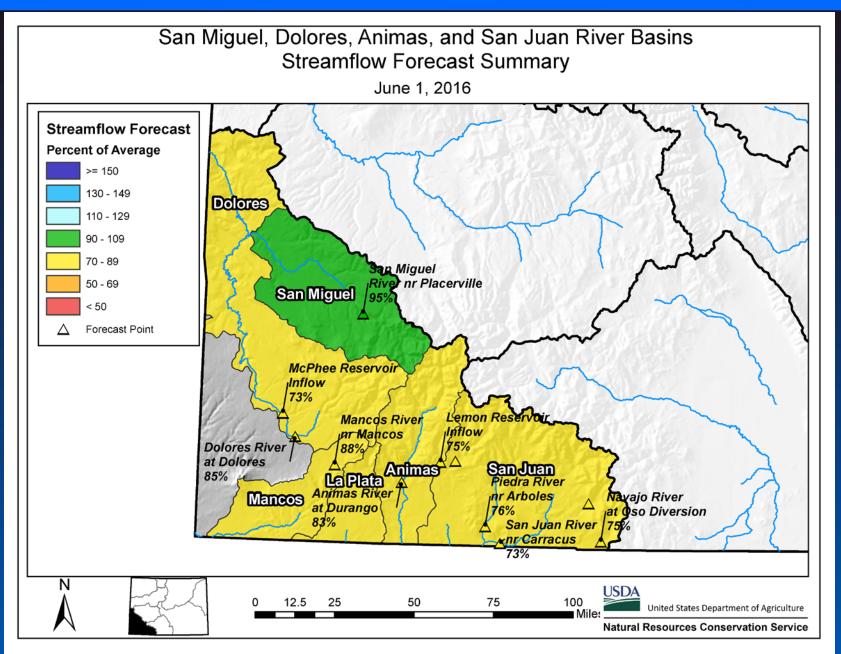
United States Department of Agriculture

USDA

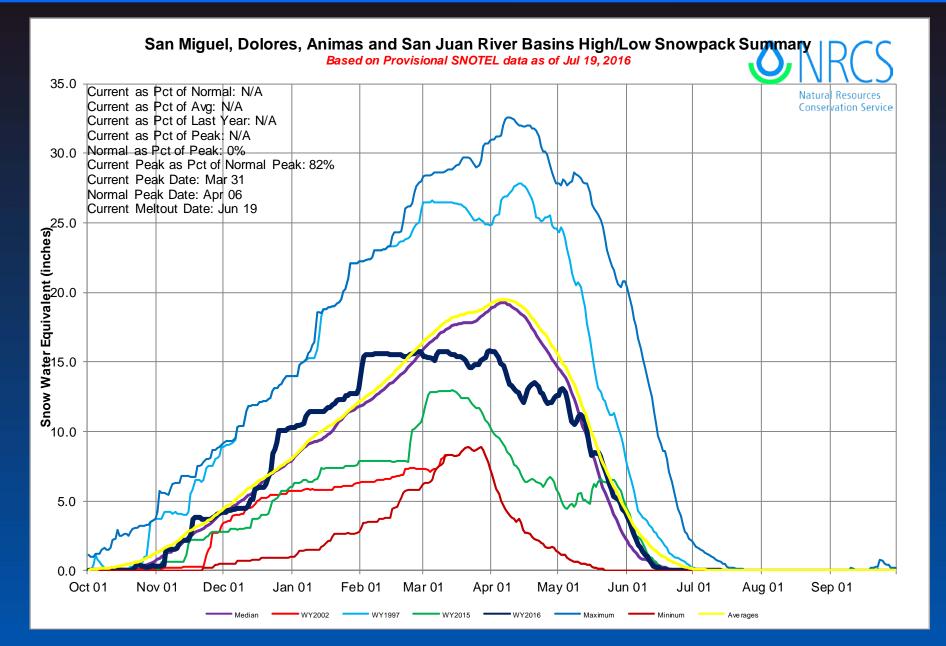
Colorado Snow Surveys

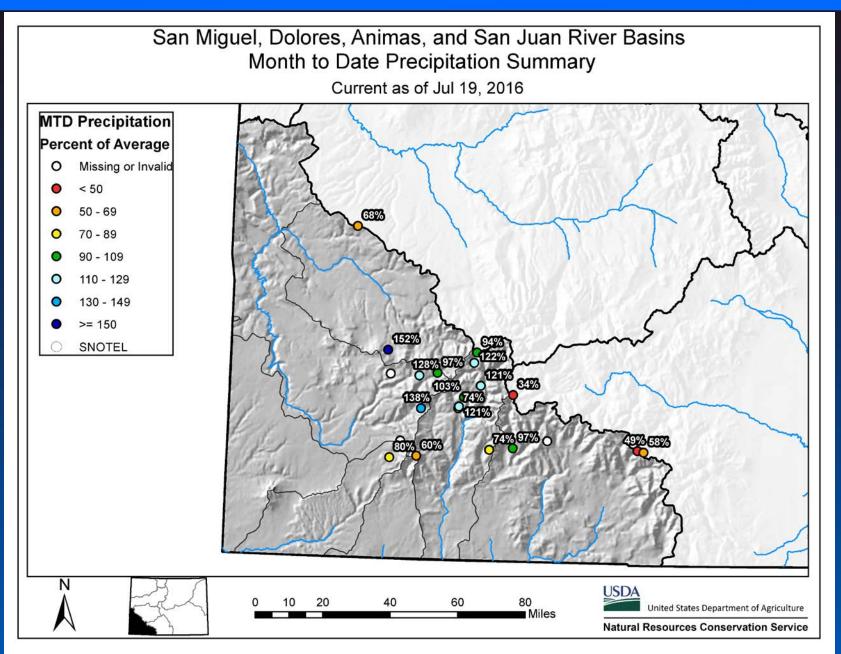
Major Basin Summary





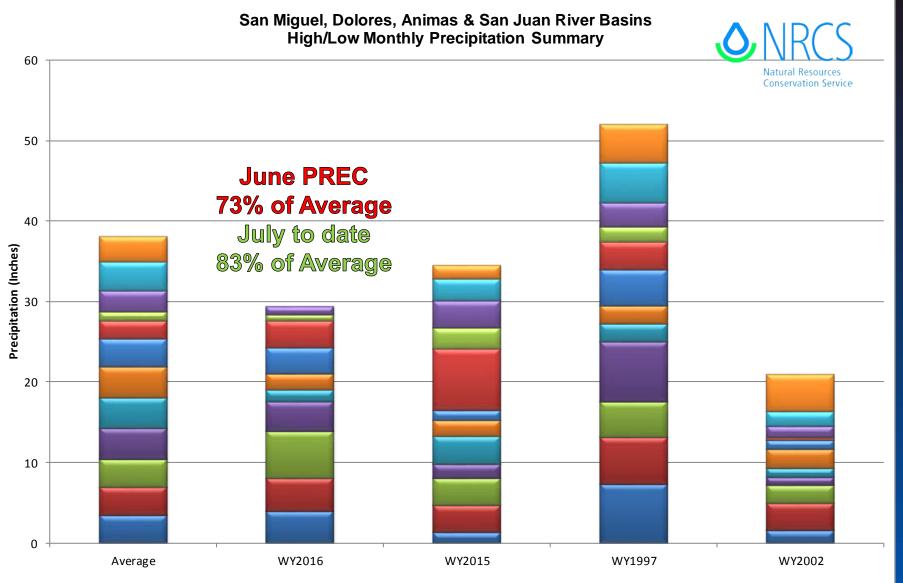






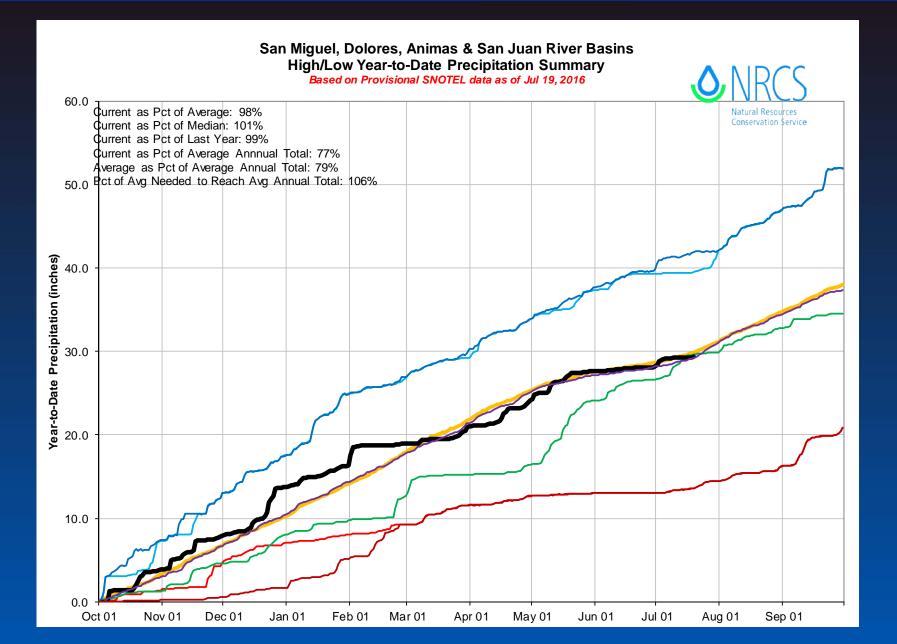


Colorado Snow Surveys

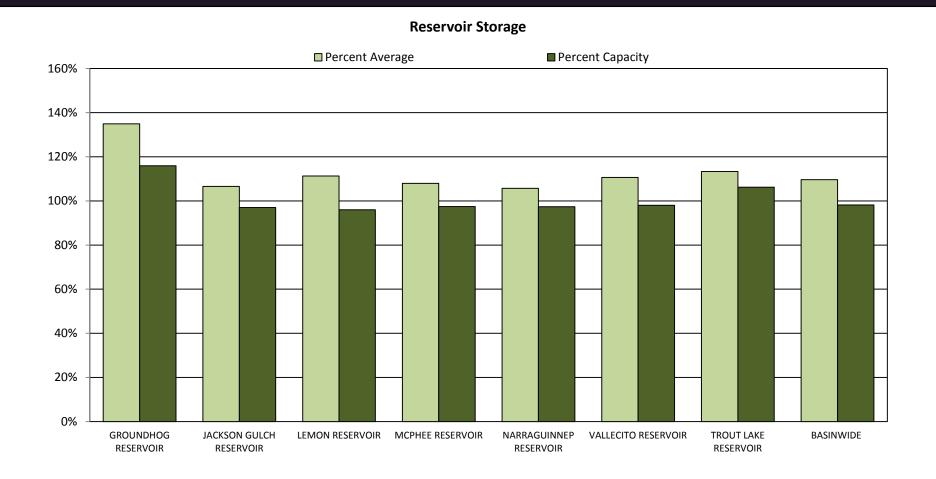


■Oct ■Nov ■Dec ■Jan ■Feb ■Mar ■Apr ■May ■Jun ■Jul ■Aug ■Sep







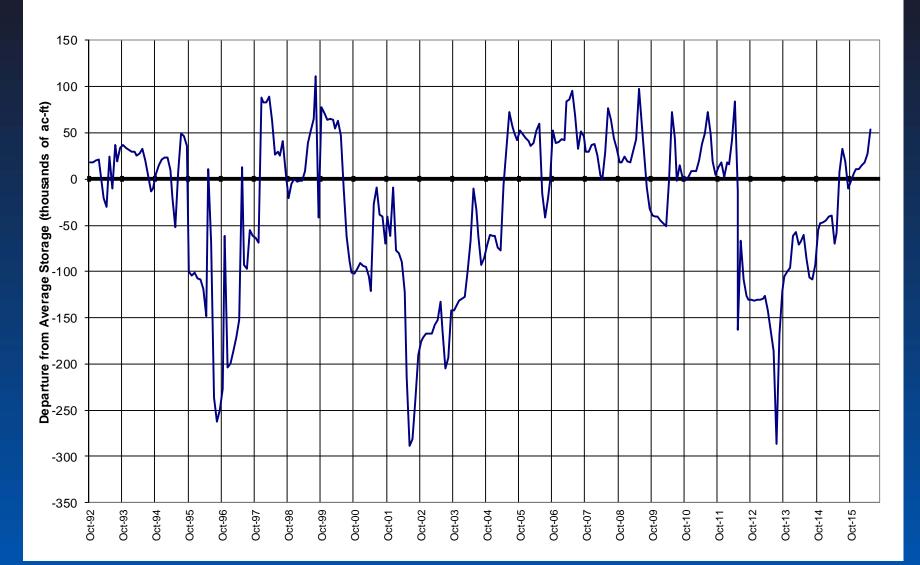




SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage

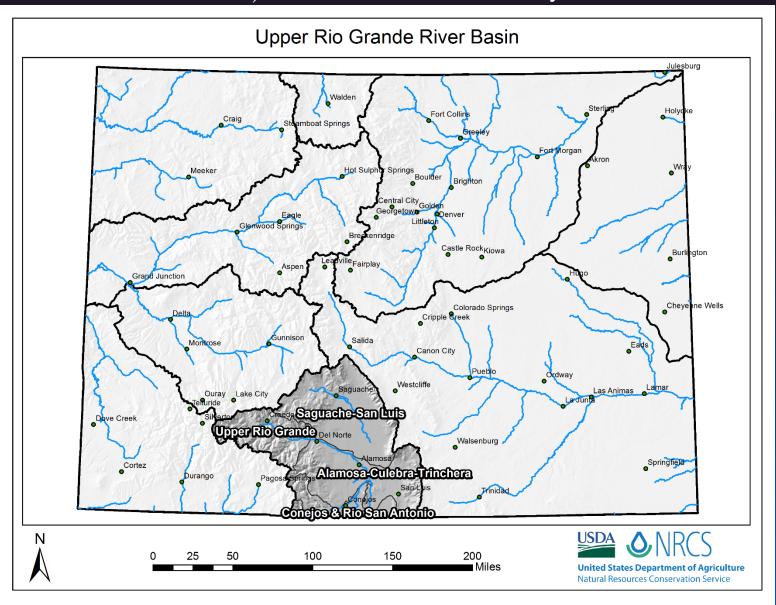
Departure from Average

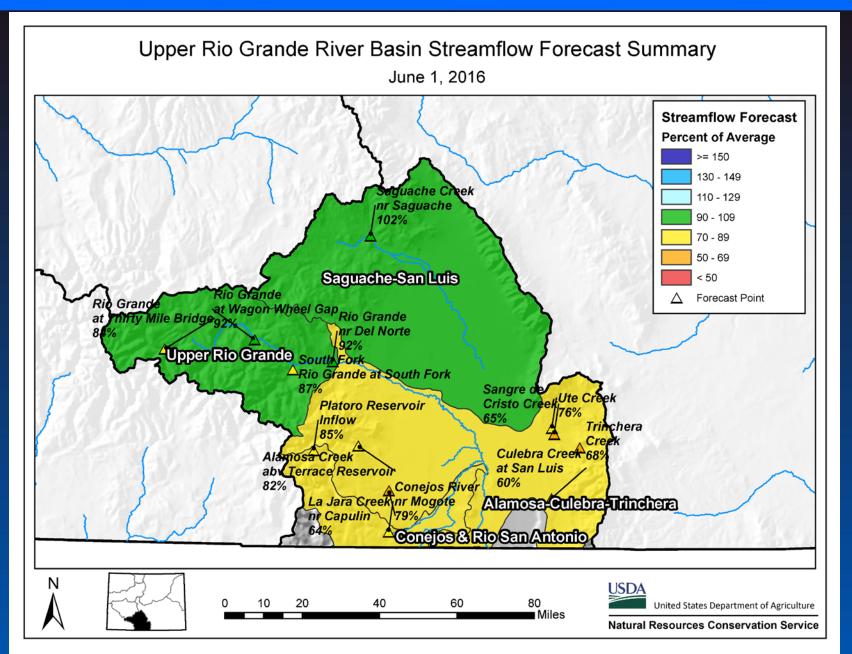




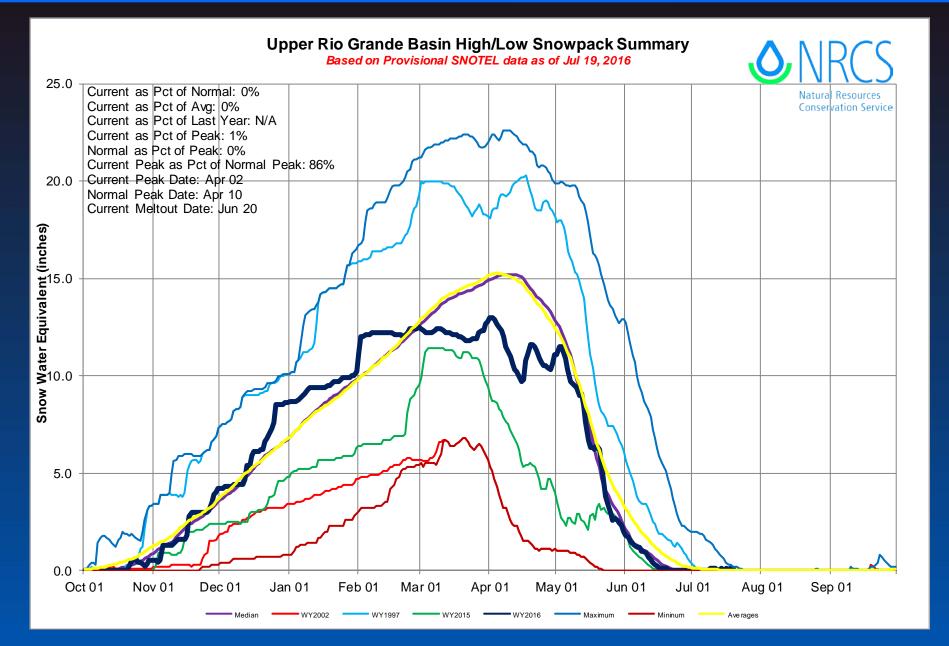
Colorado Snow Surveys

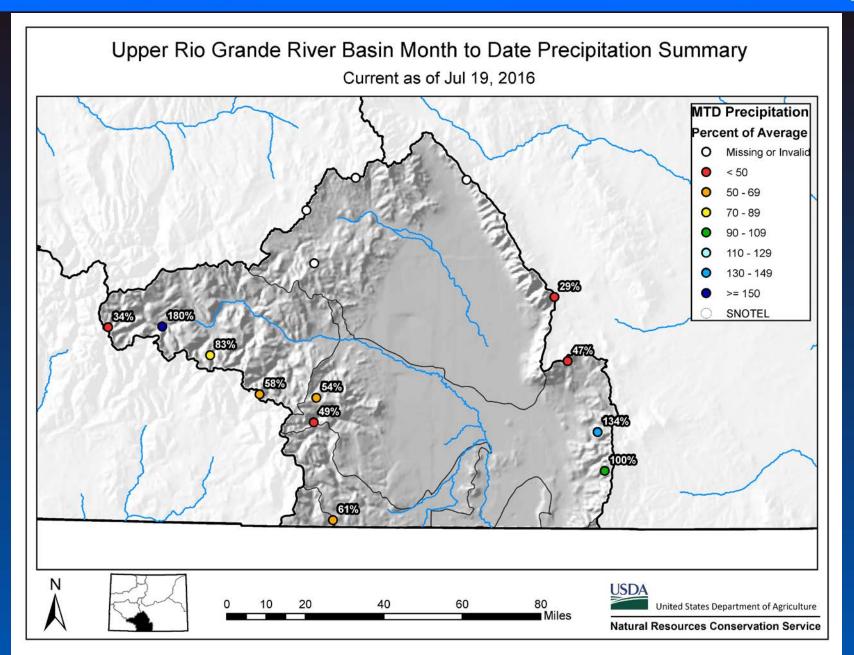
Major Basin Summary



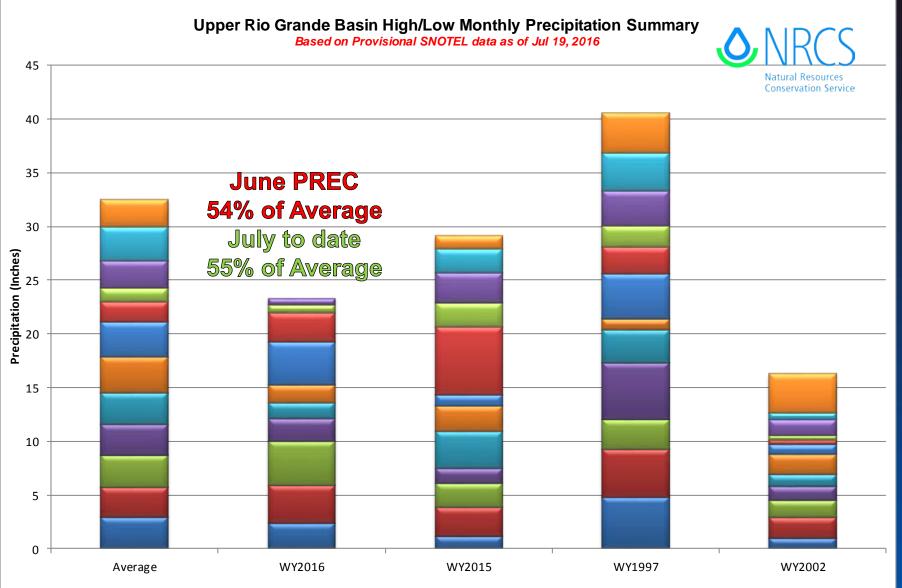






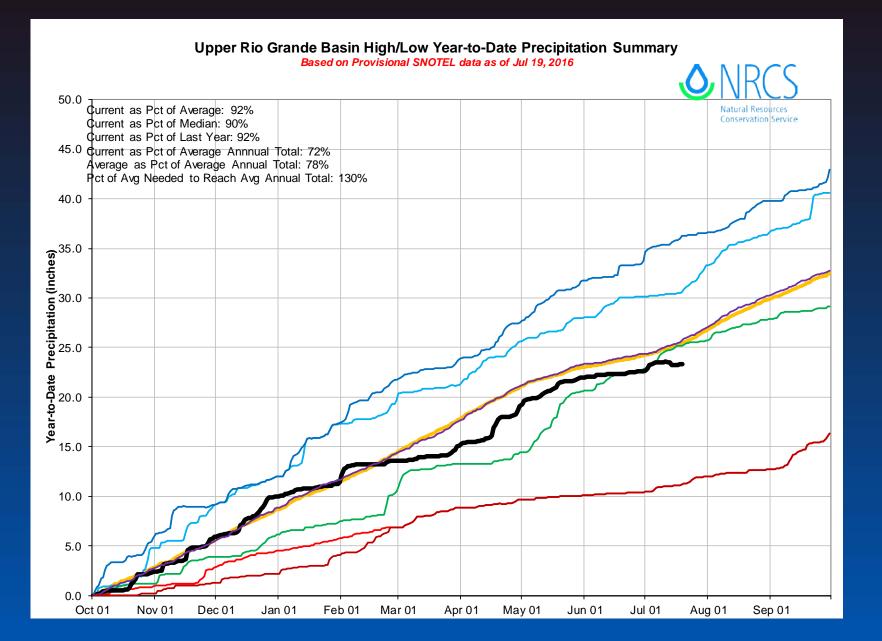




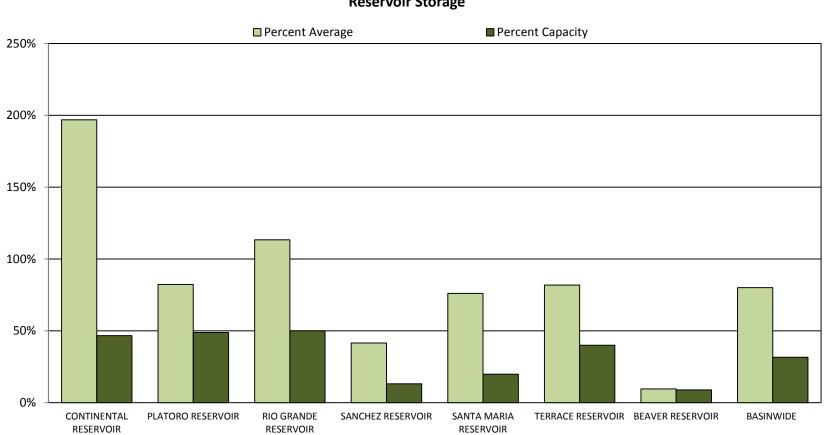


■Oct ■Nov ■Dec ■Jan ■Feb ■Mar ■Apr ■May ■Jun ■Jul ■Aug ■Sep



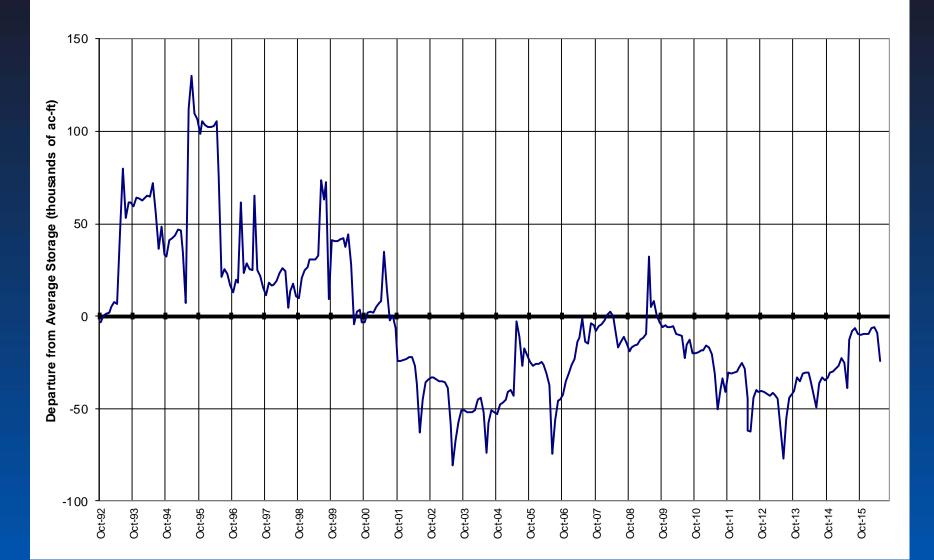






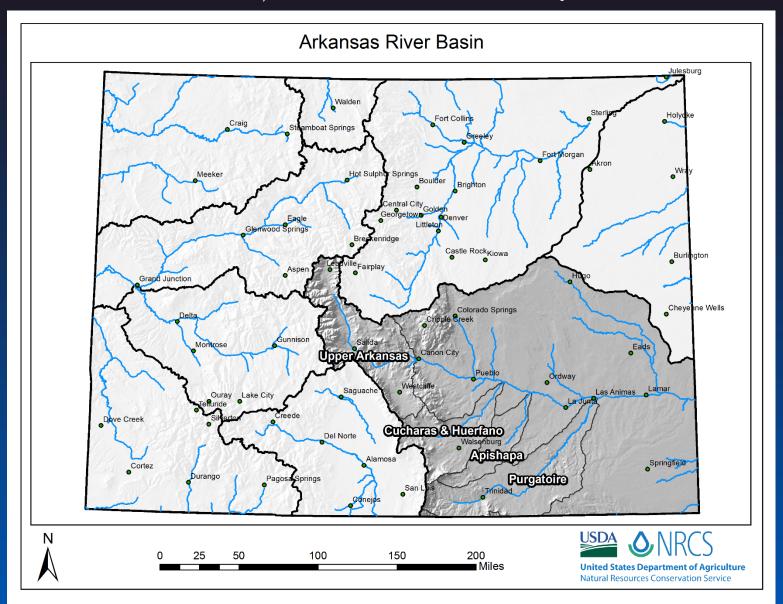


UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



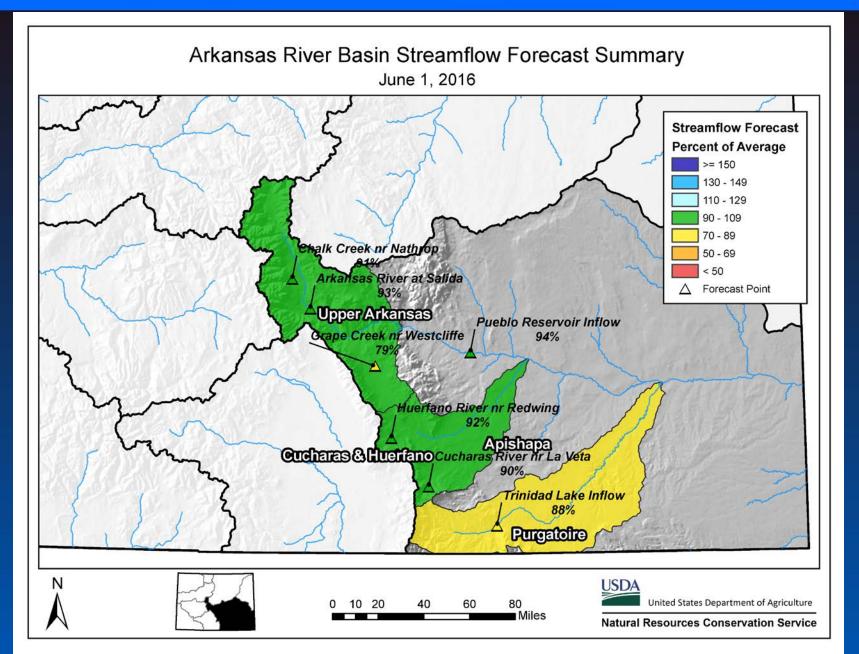


Major Basin Summary

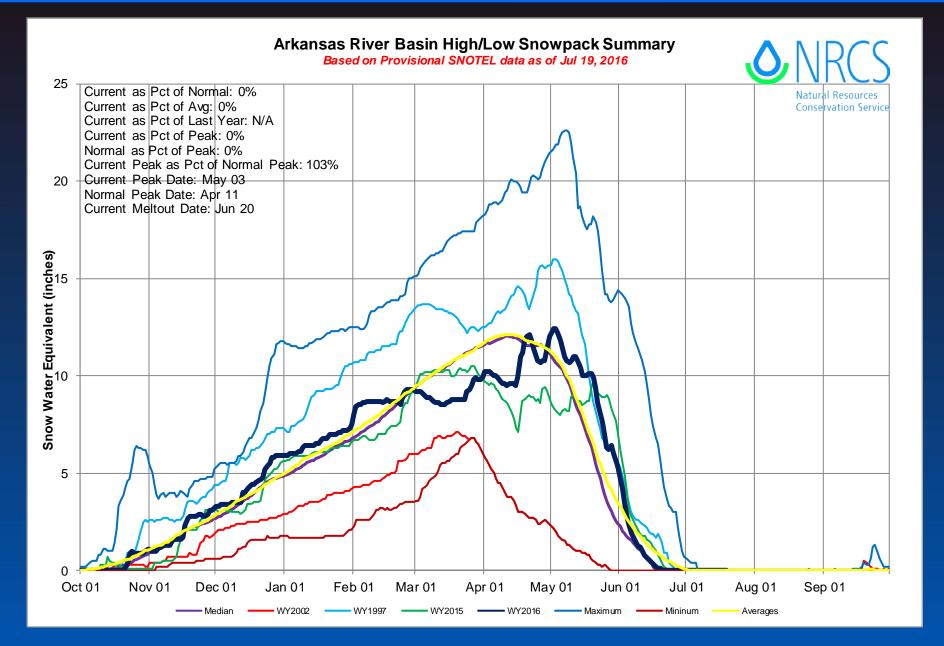


United States Department of Agriculture

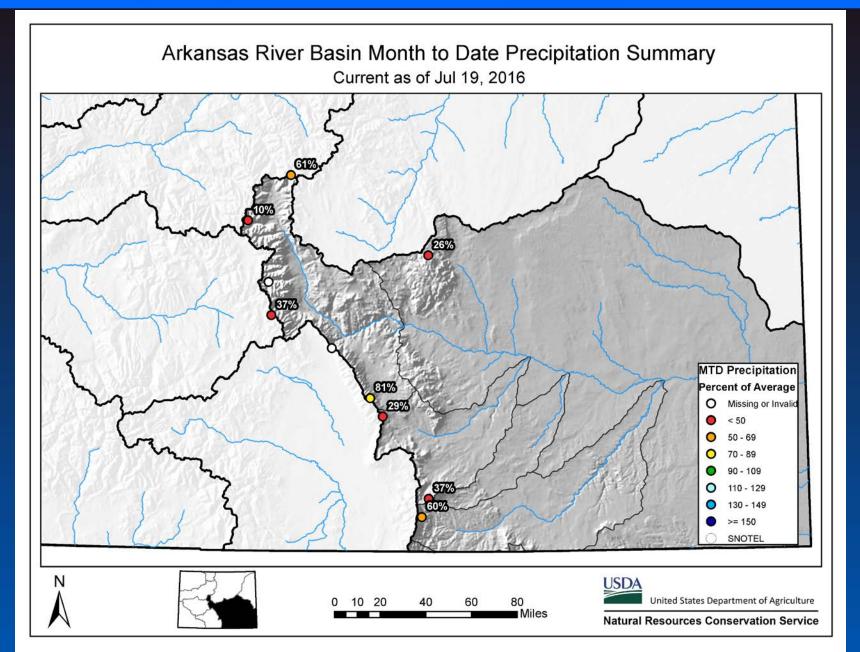
USDA



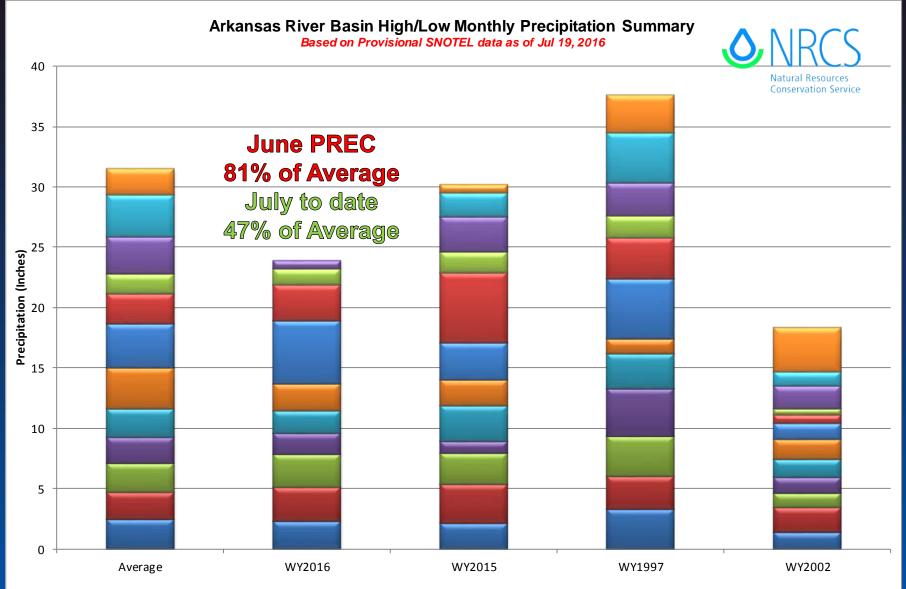






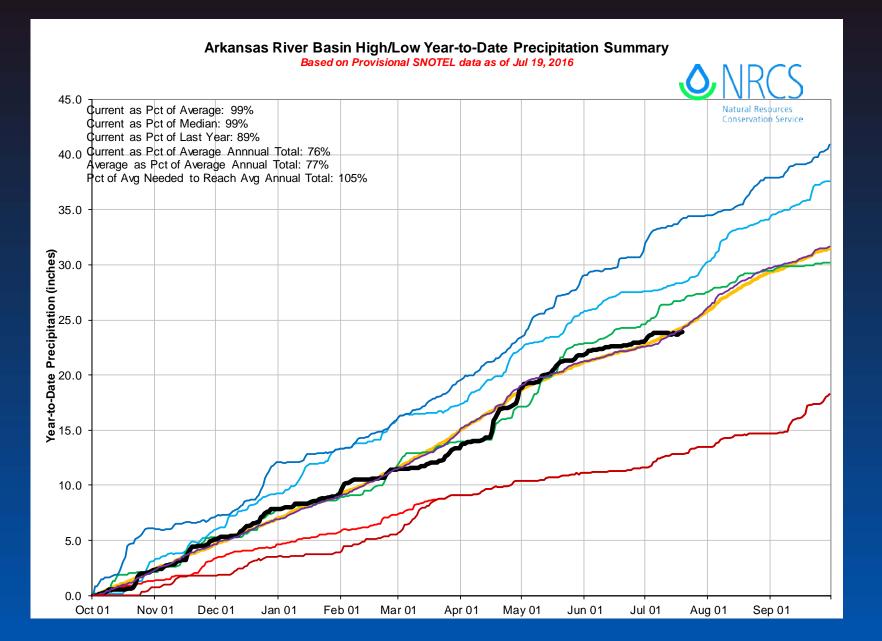






■Oct ■Nov ■Dec ■Jan ■Feb ■Mar ■Apr ■May ■Jun ■Jul ■Aug ■Sep





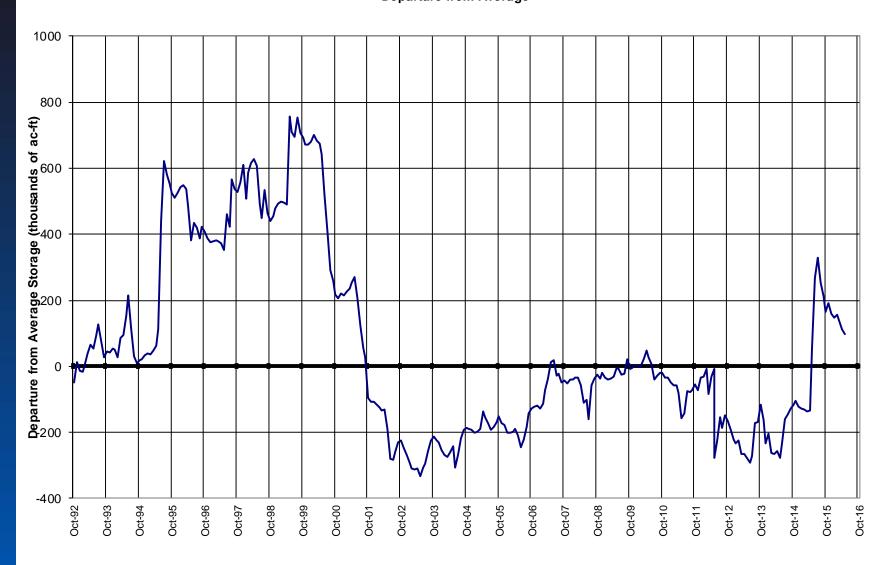


Percent Average Percent Capacity 300% 250% 200% 150% 100% 50% 0% ADOBE CLEAR CUCHARAS GREAT HOLBROOK HORSE JOHN LAKE HENRY MEREDITH PUEBLO TRINIDAD TURQUOISE TWIN LAKES BASINWIDE CREEK CREEK RESERVOIR PLAINS LAKE CREEK MARTIN RESERVOIR RESERVOIR LAKE LAKE RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR RESERVOIR

Reservoir Storage

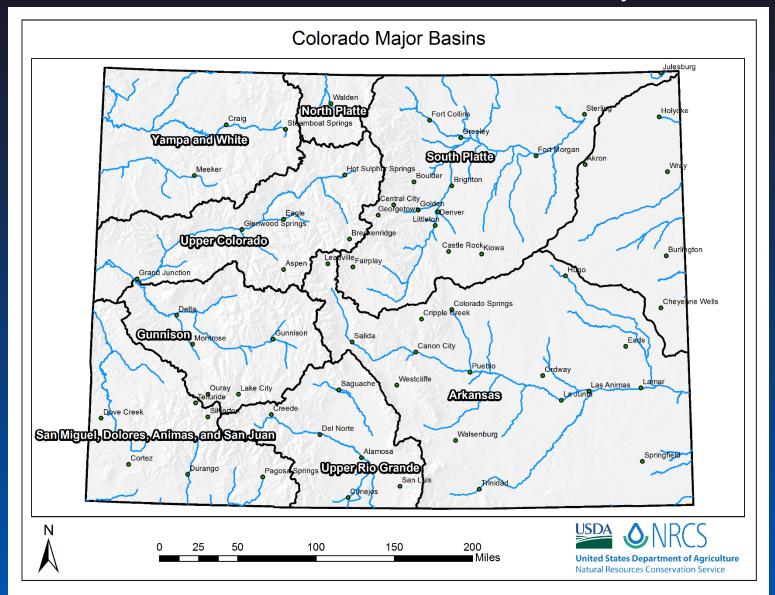


ARKANSAS RIVER BASIN Reservoir Storage Departure from Average

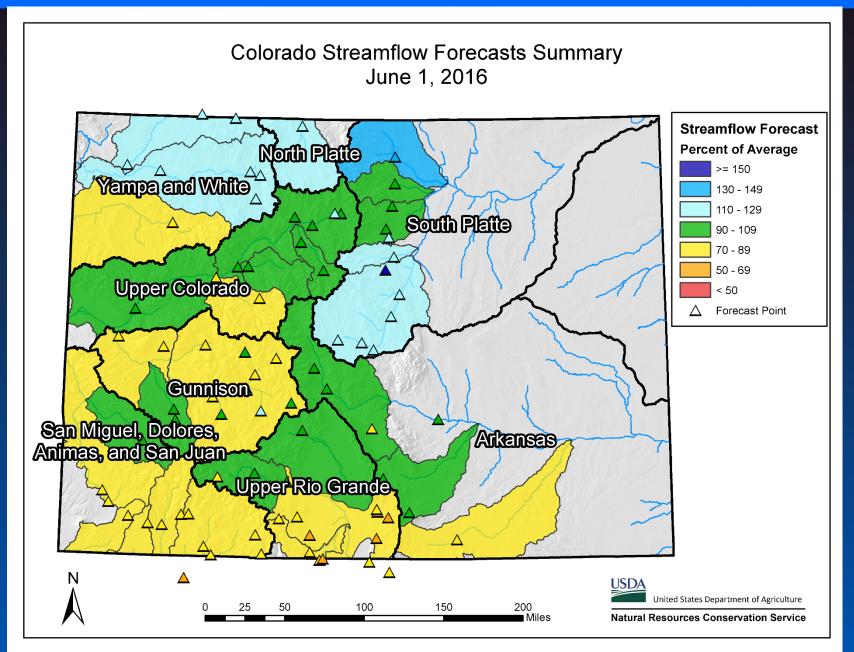




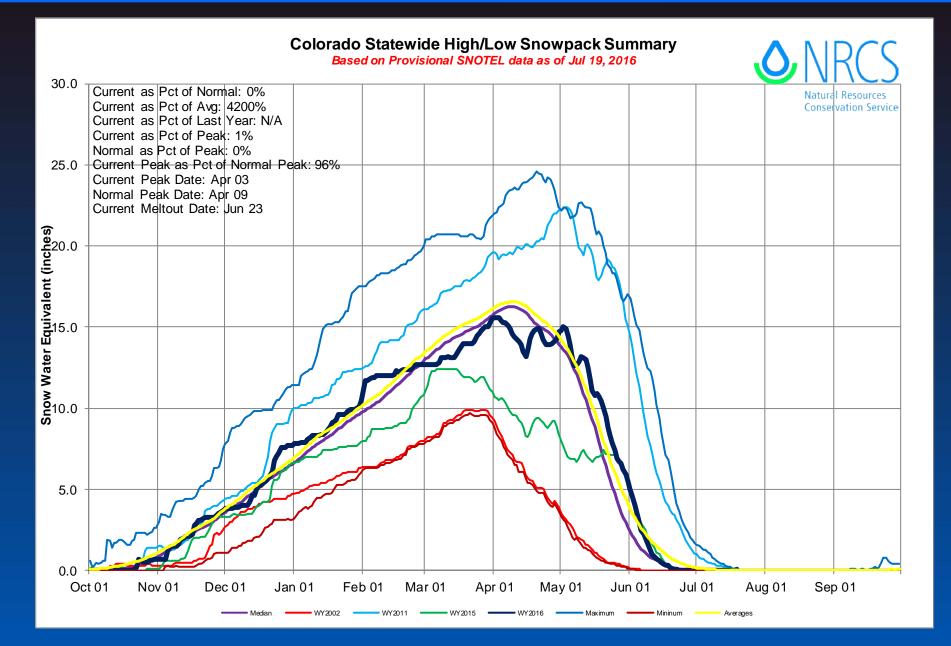
Colorado Statewide Summary







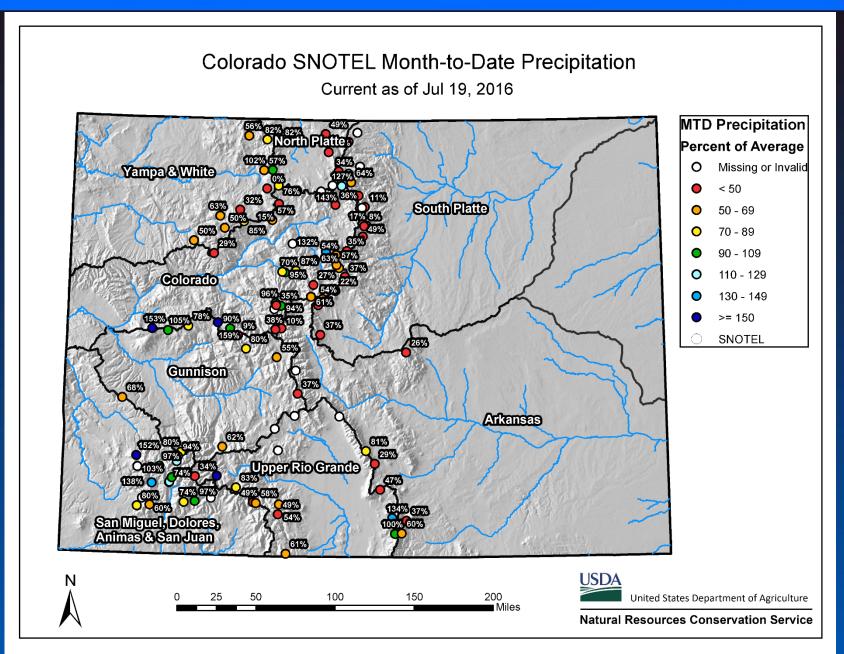




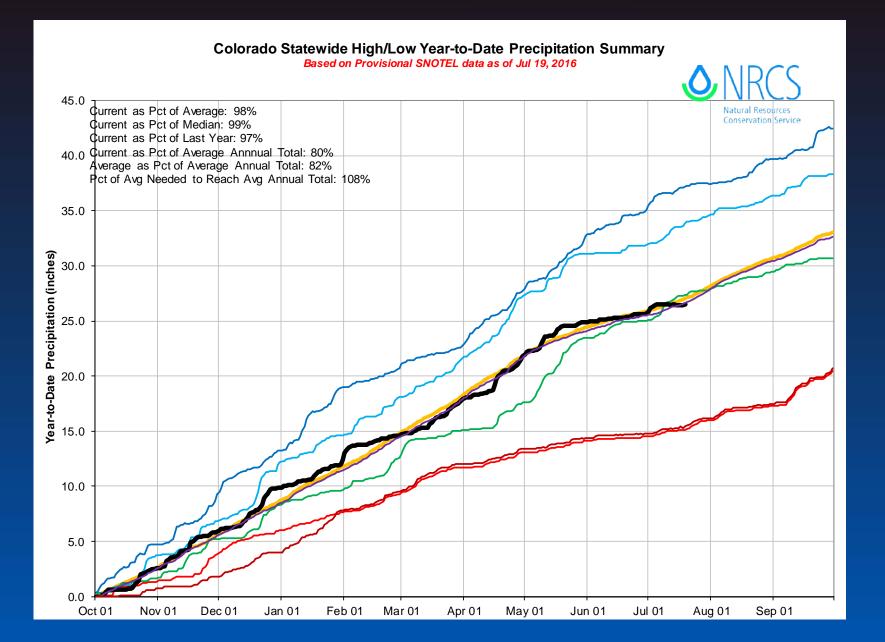


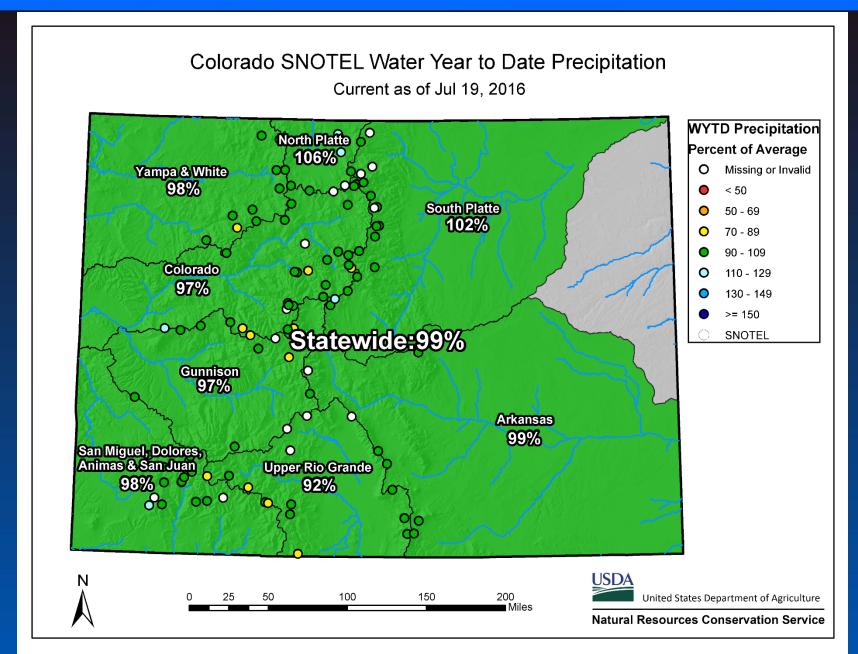
Colorado Statewide High/Low Monthly Precipitation Summary Based on Provisional SNOTEL data as of Jul 19, 2016 45 Natural Resources **Conservation Service** 40 **June PREC** 71% of Average 35 July to date 64% of Average 30 Precipitation (Inches) 05 05 15 10 5 0 Average WY2016 WY2015 WY2011 WY2002

■Oct ■Nov ■Dec ■Jan ■Feb ■Mar ■Apr ■May ■Jun ■Jul ■Aug ■Sep



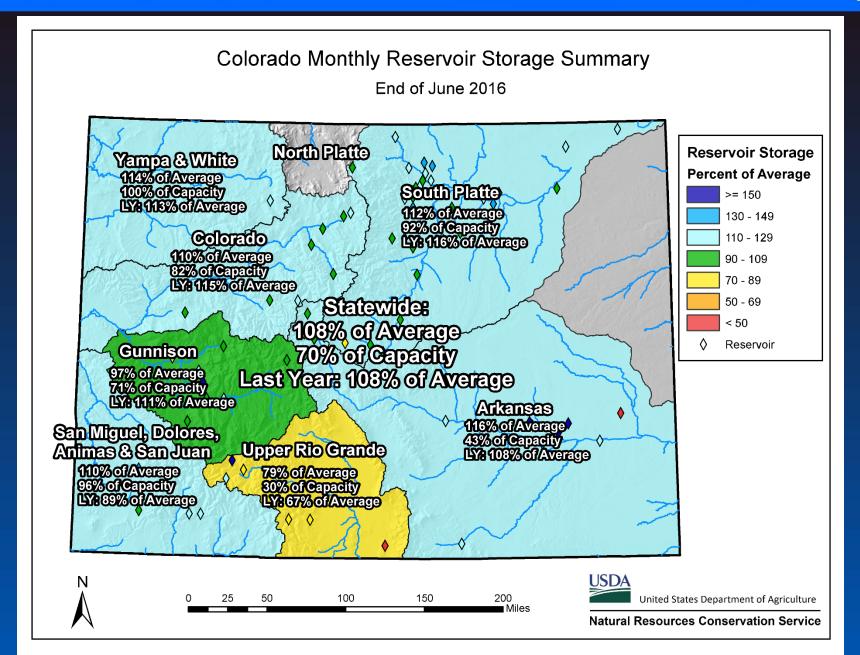






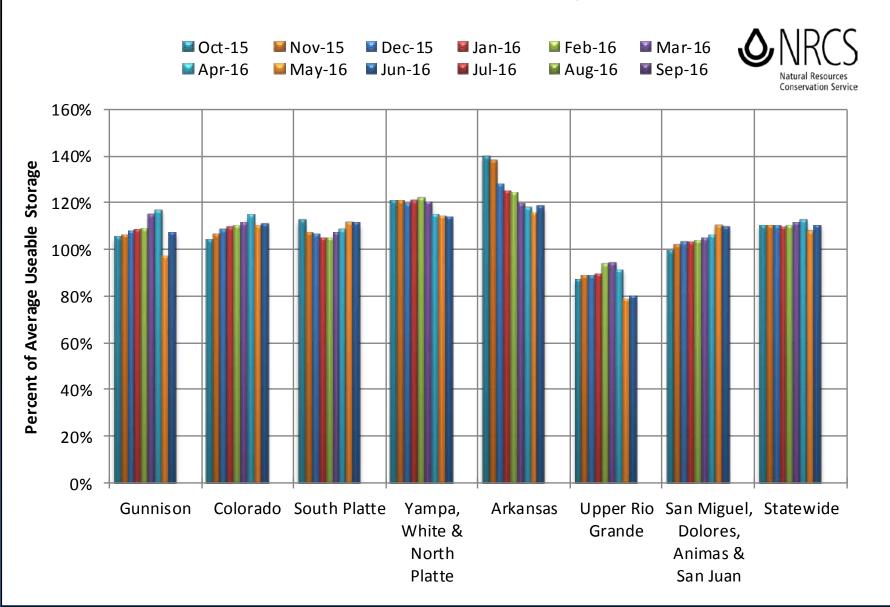
United States Department of Agriculture

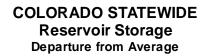
USDA

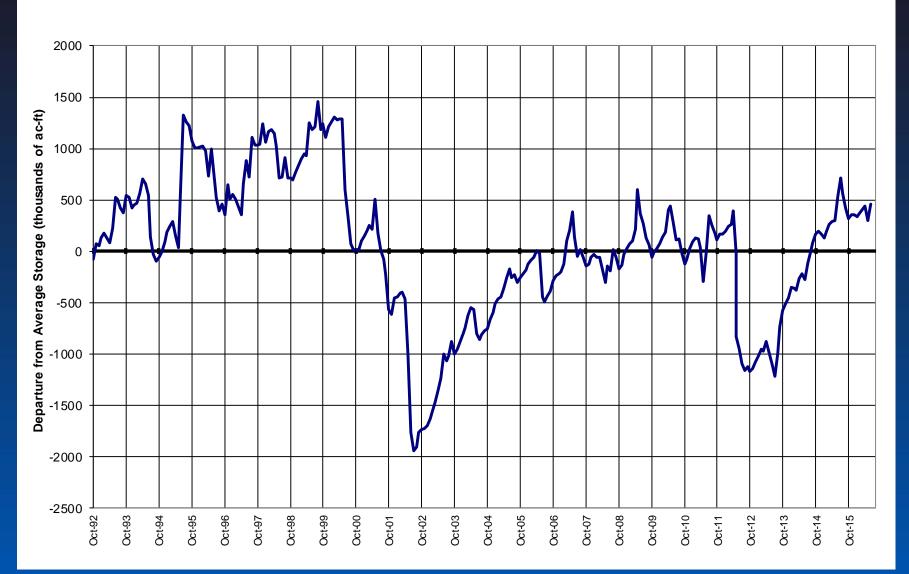




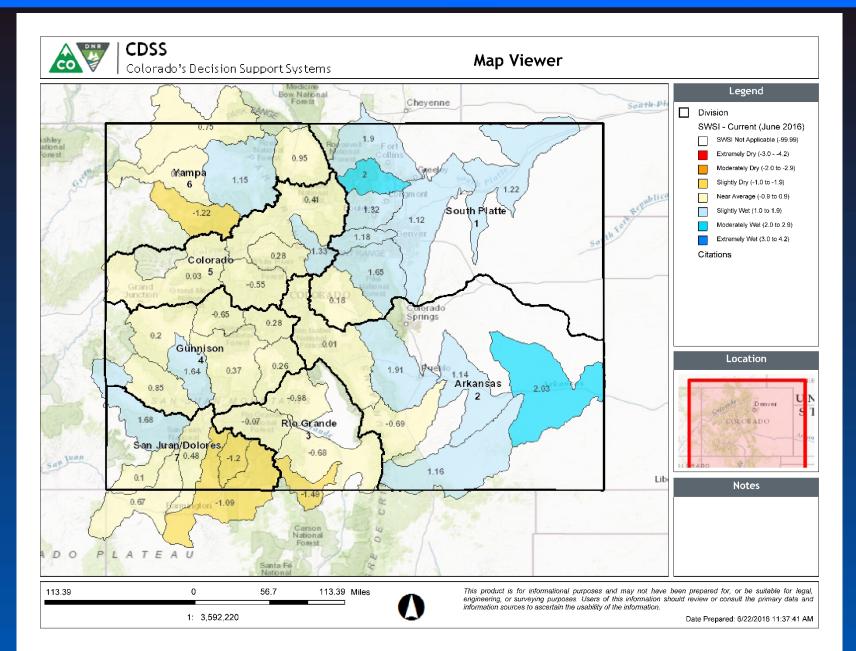
Colorado Reservoir Storage



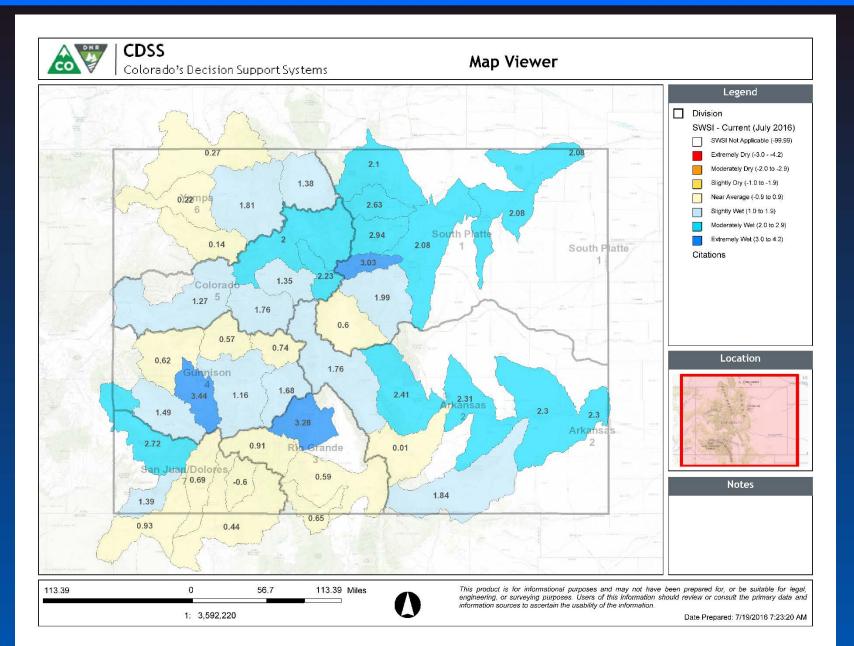






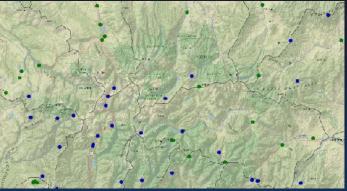








Red Mountain SNOTEL Removal



Red Mountain SNOTEL was installed on a patented mining claim back in 1978
It is one of the most important sites in the country

•This site has one of our longest data records in the state

•Data is used and highly correlates to forecasts in the

- Rio Grande
- San Miguel, Dolores, Animas & San Juan Basins
- Gunnison -> to the Colorado River & down stream

•The plan is to move the site 100 ft away but no guarantee the data integrity will be maintained



Summary

- •Almost all SNOTEL stations in the state are now melted out
- •June precipitation was poor across the state and July precip so far has been worse
- •Statewide we have remained at near normal WY precip and fallen just below normal
- •Reservoirs statewide remain in relatively good standing at 108% of normal, the same as last month
- •SWSIs are generally near normal across the state
- •Red Mountain SNOTEL will hopefully be moved soon but unsure with USFS permits and other uncertainties



Water Availability Task Force Meeting July 19th, 2016

NRCS Snow Survey and Water Supply Forecasting Program

Brian Domonkos Hydrologist 720-544-2853

http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/